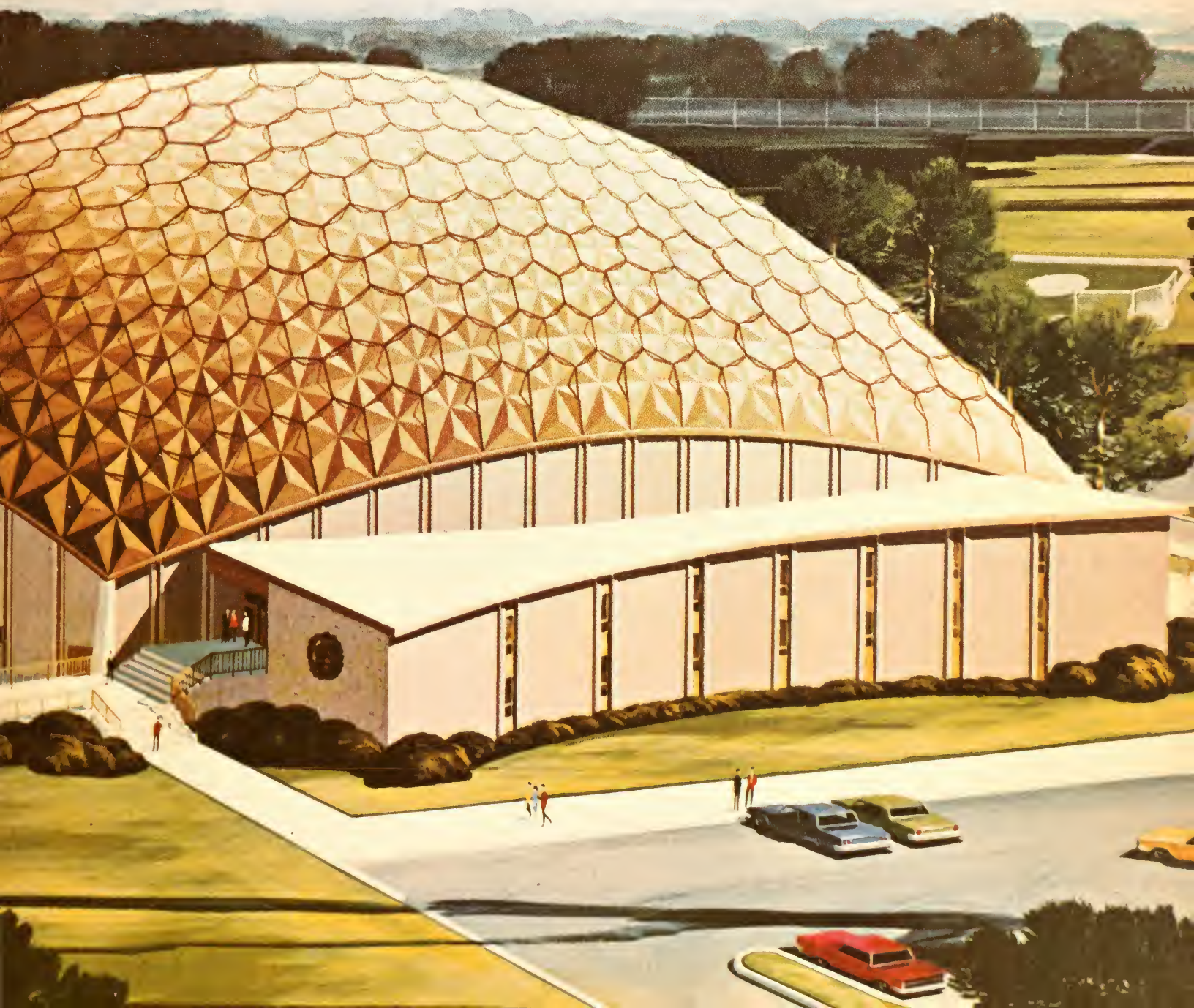
CENTENARY

COLLEGE OF LOUISIANA



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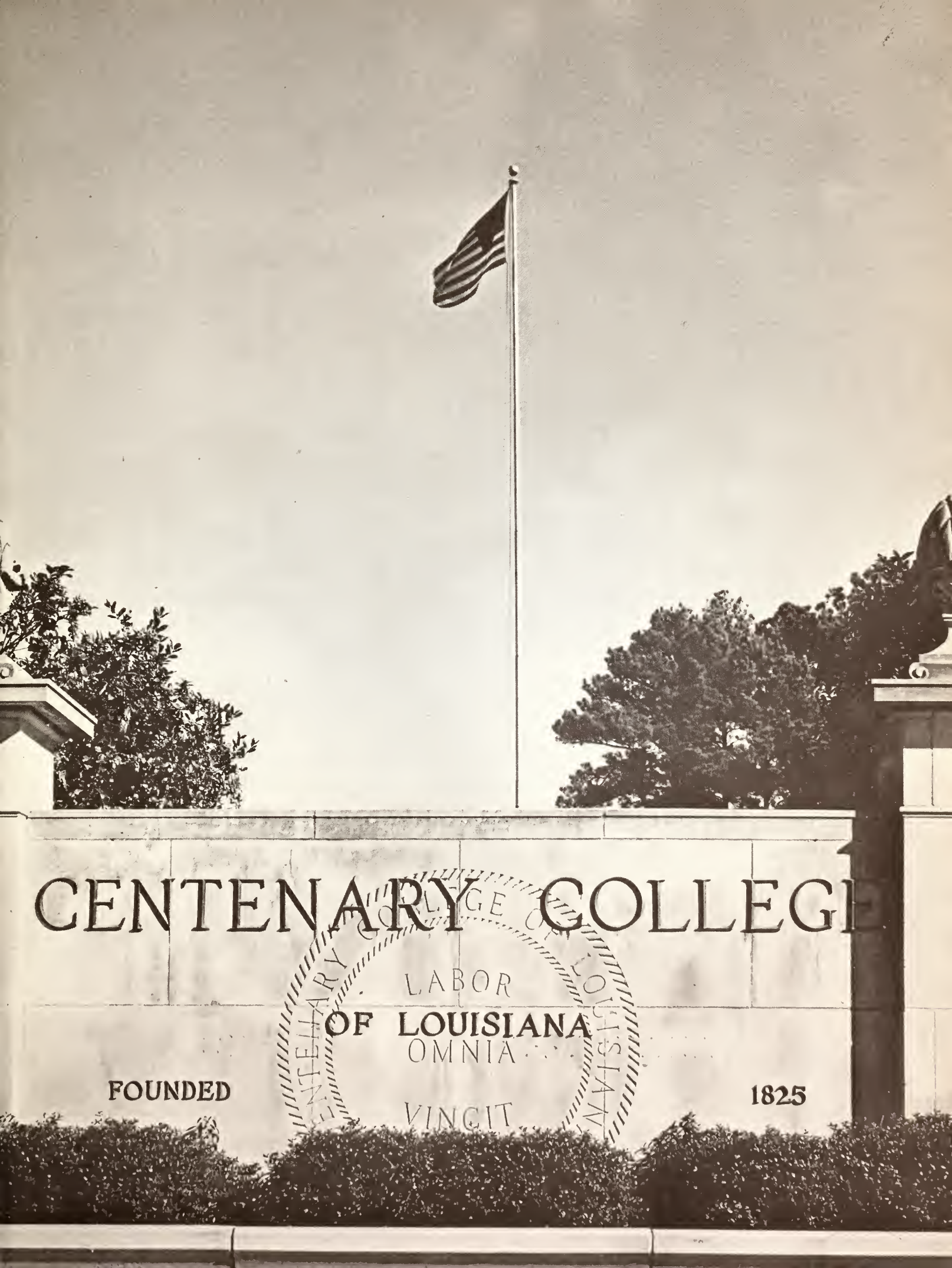
CENTENARY COLLEGE
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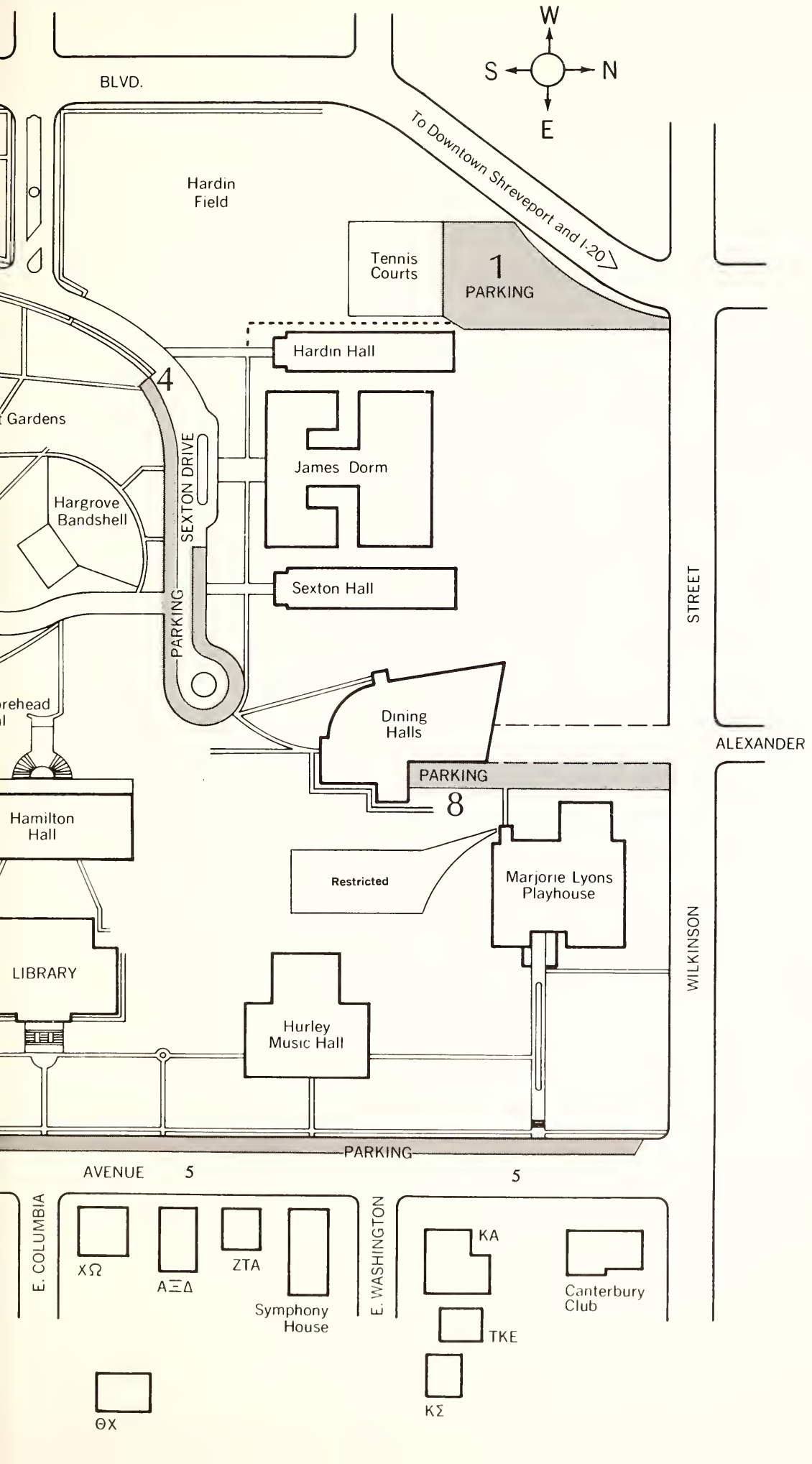
CENTENARY COLLEGE CATALOG

August, 1970
Shreveport, Louisiana
For the Year 1970-71

Opposite: John Horton Allen, Ph.D.
Thirty-Second President of the College

To Highway 171
CENTENARY
CENTENARY
SHOPPING
E. KINGS HIGHWAY
Adm. Bldg.
Crumley Gardens
3 PARKING
Jackson Hall
Rotary Hall
R. T. Moore Student Center
Pierce Cline Dorm
ALEXANDER
Athletic Fields
9 PARKING
2 PARKING
Haynes Memorial Gym
East Colonial
Mickle Hall Of Science
PARKING
Physical Education Center
SHOPPING
R. E. Smith Religious Center
7
6 PARKING
Brown Memorial Chapel
PARKING
5
WOODLAWN
5
To Highway 1 and 71
E. RUTHERFORD
Shreveport Symphony

COLLEGE CAMPUS



Centenary College is an independent coeducational liberal arts college located in a thriving and active city in northwest Louisiana, a metropolitan area numbering about 250,000 in population. The campus is beautifully wooded and rolling, with handsome architecture mostly in the Georgian colonial style. Centenary is the only fully-accredited four-year college in Shreveport, and indeed the only such private institution in north Louisiana. It is the oldest chartered institution of higher education in the United States west of the Mississippi River, and will in 1975 celebrate its sesquicentennial. While most of its students come from the tri-state area usually called the Ark-La-Tex, it attracts students from 35 states and eleven foreign countries. The College is primarily residential, with nearly 70 per cent of the students living on campus. Within 20 years of its founding, the College became affiliated with the United Methodist Church, and the Church and its members are active in support of the College and its programs. Students at Centenary live a vigorous and demanding academic, intellectual, and social life, and enjoy a high degree of freedom and responsibility in self-government and in participation in the governance of the College, holding full voting memberships in nearly all the College committees.

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I
CENTENARY COLLEGE

Centenary College of Louisiana has a long and enviable history of dedication to the central principle of liberal education—that "the truth shall make you free"—however hard educators (and others) find it to define this phrase fully. The liberal arts and sciences (the principal areas of study available to students at Centenary) are valuable for their effect, when studied attentively and diligently, of freeing the mind and spirit of prejudices and superstitions, and of developing a lasting preference for reason and civility in discourse and in life. The Faculty and staff of this College are dedicated to and skilled in the inculcation of these values; their record for nearly a century and a half has been one of success in providing this region and the nation with graduates who exemplify these educational standards. Liberal education is first and foremost education for citizenship and for leadership in society, however valuable it may also be for developing skills and competencies for success in vocations and professions.

The central purpose and objectives of the College were formulated by the Faculty a number of years ago in the following statement: "As a church-related college, Centenary seeks to provide liberal arts education for students capable of intellectual leadership and for all who can benefit from study in an academic community where excellence is encouraged and individuality is respected. The College purposes to challenge its students to serve society by exemplifying the highest Christian ethic; to provide them with a basic understanding of human affairs and problems; to equip them to think clearly, honestly, and constructively, and to communicate effectively; and to introduce them to the arts and sciences that they may enjoy the best of the heritage of civilization. By requiring a field of major concentration, the College prepares students for education beyond the baccalaureate degree as well as for immediate participation in an increasingly complex society."

Centenary is fully accredited by the recognized regional and national agencies: it is a member of the Southern Association of Colleges and Schools, the National Association of Schools of Music, and the American Association of University Women. The College is approved by the American Chemical Society and the University Senate of the United Methodist Church. It maintains membership in the American Council on Education, the Association of American Colleges, the American Alumni Council, the American Association of Colleges for

Teacher Education, the American Association of Collegiate Registrars and Admissions Officers, the Association of University Evening Colleges, the National Commission on Accreditation, the Council of Protestant Colleges and Universities, the National Association of Schools and Colleges of the United Methodist Church, the Louisiana Academy of Science, and the Conference of Louisiana Colleges and Universities.

Centenary is also a member of the newly chartered Southern College University Union, Inc. The other member institutions are Hendrix, Millsaps, Birmingham-Southern, Southwestern-at-Memphis, Centre, and Emory and Henry Colleges, the University of the South, and Fisk and Vanderbilt Universities. Besides various cooperative programs among the institutions, Centenary also enjoys through this Union a special relationship with the Oak Ridge Associated Universities for faculty and advanced student research in the natural sciences. The Union also maintains a staff member at the Joint Universities Library at Vanderbilt for the rapid exchange of library materials and research assistance.

The College of Louisiana was founded at Jackson in 1825. In 1839, in celebration of the centennial of Methodism, the Conference of Louisiana and Mississippi founded a college named Centenary at Clinton, Mississippi. It was moved to Brandon Springs, Mississippi, in 1840, and graduated its first class in 1844. Both colleges, however, struggled for funds and for students. The trustees of the state college agreed to relinquish its charter to the Methodist Conference in 1845, provided only that "Christian instruction and discipline" be always offered on a non-sectarian basis. That spirit has informed the relationship of the College to the church from that time until this. The merged institutions, under the name "Centenary College of Louisiana," resided in the buildings at Jackson until 1906, when, the railroads having bypassed the small community, it became obvious that the kind of metropolitan support necessary for a first-rate college would not be available there.

At that time the Atkins family of Shreveport, together with a group of their friends, offered land for a campus and the support of Shreveport for a college there. Citizens collected money for buildings and classroom equipment, and the first classes were held on the present campus in 1908. (The sundial between the Brown Chapel and the Library records the 1958 congratulations of the Shreveport community on the first half-century of the College here.)

The campus of Centenary College is widely known for its natural beauty and the excellence of its structures and facilities. The Crumley Memorial Gardens are visited by thousands and photographed by

hundreds during the blooming season of the azaleas. The geodesic dome of the new physical education and athletic center to be opened in 1971 will become a very visible symbol of the College as it rises 80 feet above the South Campus (the architect's drawing of this building is depicted on the cover of this Catalogue). The academic heart of the College is in the handsome structure of the College Library, which at present houses over 95,000 catalogued volumes, and which provides in addition numerous private study rooms, extensive microform equipment, faculty offices and classrooms, the Centenary Gallery for art exhibits, and listening rooms for an extensive record collection. The Library is connected by teletype equipment with the Louisiana State Library, as well as the nationwide TWX network.

Brown Memorial Chapel, the gift of Paul M. Brown (chairman emeritus of the Board of Trustees) and Colonel S. Perry Brown (a life

member of the Board) in memory of their parents, will seat the entire student body and Faculty in their present numbers. Regular Sunday services are held there, as well as the regular chapel services held nearly every week.

Other buildings on the campus include: the Marjorie Lyons Playhouse, gift of Trustee Charlton H. Lyons, Sr., and his family, one of the handsomest and best-equipped college theatres in the country, and the home of the Rivertown Players, the College drama group; the Ed E. Hurley Memorial Music Building, a gift of Mrs. Hurley (another life member of the Board of Trustees) in memory of her late husband, houses the Centenary College School of Music and provides soundproof studios and practice rooms, a recording studio, a music library, and a spacious recital hall; the Dean R. E. Smith Building, gift of the Louisiana Conference of the United Methodist Church, has classrooms, meeting rooms, Faculty offices, and a small auditorium with kitchen facilities; the Mickle Hall of Science, which houses all the science departments and the departments of mathematics and education and psychology, as well as the Computation Laboratory (with a recent IBM 1130 computer system) and the comfortable rehearsal hall and recording studio of the Centenary College Choir, an internationally famous singing group. (This room was furnished through the generosity of Mrs. G. M. Anderson, a trustee of the College, and the late Mr. Anderson.) Jackson Hall, named to commemorate the original site of the College, houses the humanities departments; and administrative offices are located in the Administration Building on Centenary Boulevard until the opening of Hamilton Hall early in 1971 as a result of the gift of Mr. and Mrs. D. P. Hamilton. (Mrs. Hamilton is a life trustee of the College, and was a member of the first graduating class in Shreveport.)

Student life, residential and social, is accommodated in three women's and two men's dormitories, two spacious and attractive dining halls (with three private dining rooms for meetings of student and Faculty groups), and the Randle T. Moore Student Center, familiarly known as the SUB, which contains a snack bar, the campus bookstore, the College post office, meeting rooms and offices for student organizations and publications, a billiard and ping-pong room, and a comfortable TV lounge, in addition to the office of the Director of Student Activities.

* * * *

The selection of a college or university in which one will spend four or more of the most important and exciting years of one's life is never an easy task. It is harder than ever in these days of massive growth of public educational institutions, the burgeoning of a nation-

wide community college system, and ever rising costs in private education. The fact remains that the most effective education takes place under conditions in which mutual explorations occur between persons who can come to know each other personally and as individuals. This is the kind of educational environment Centenary College has successfully sought to establish. And although members of this community recognize that much education takes place outside the classroom and laboratory, it is nevertheless to take advantage of a society of trained and mature minds that one enters formal higher education. Centenary is especially, and justly, proud of its Faculty, all of whom are dedicated to teaching and to learning as a profession, and many of whom are nationally and internationally known authorities in their fields of study. Ninety-five per cent of the senior Faculty hold doctoral or other terminal degrees; a glance at the Register in the back of this Catalogue will indicate the wide and distinguished variety of universities, here and abroad, from which they come. All courses, freshman and upperclass, are taught by fully-qualified members of the Faculty, who also serve as personal academic advisers to the student, and who make it a point to be available for consultation with students many hours each week in addition to their classroom responsibilities.

II

THE CENTENARY STUDENT

LIVING ON THE CAMPUS

The student body of Centenary College is composed of students from all sections of the United States, and many foreign countries. The residence halls will accommodate approximately two-thirds of all full-time students. The College believes that group living in the academic setting is most conducive to personal growth and development, and to complete involvement in campus life. Therefore, all full-time single students who are not living with parents or close relatives or have obtained special permission are required to reside in the residence halls and to purchase meal tickets for use in the dining halls. With the approval of the Dean of Students, a few men are allowed to reside in the fraternity houses that offer accommodations. Meal tickets are required for fraternity house residents.

All the residence halls are air-conditioned. The three women's dorms, James, Hardin, and Sexton, are located on Sexton Drive. The men's residence halls, Cline and Rotary, are located on the south side of the campus. In their respective residence halls, men and women are offered rooms to achieve a desirable balance of classification and background.

Junior and senior women who meet qualifications set up by the Women's Student Government Association and the Dean of Women have the privilege of living in Hardin, a residence hall offering unrestricted hours. Parental consent is required for residency there.

Two well-equipped dining halls are located on Sexton Drive and offer hot meals daily at times convenient to class hours and examination schedules. Light meals and snacks may be purchased at the snack bar in Moore Student Center.

STUDENT GOVERNMENT

Believing that responsibility and self-direction are necessary parts of the college learning experience, Centenary traditionally has encouraged and supported student government. (It had its first combined Faculty and student judicial body in 1846.) Students now serve on nearly all College committees as full voting members. Considerable authority to govern, regulate, and control student affairs within the framework of the College administrative policies is delegated to such responsible bodies as the Student Senate, the Honor Court, and the Men's and Women's Judicial Boards. Officers and members of the Senate are the elected representatives of the entire student body. All social or

competitive functions affecting students, including campus elections, are the responsibility of the Senate. Senate Committees also arrange and sponsor movies, entertainment programs, and visits to the campus of prominent speakers representing different fields of activity and points of view.

To a large extent, students themselves constructed the Honor System which binds all students and governs all academic work at Centenary College. Through an Honor Court of five justices chosen from nominations by the Faculty and the student body, the students themselves administer the Honor Code. The Honor System is based on the premise that honor is fostered, not forced, and that it can be fostered only through the willing and earnest efforts of both Faculty and students. All full-time students who enroll at Centenary must subscribe to the Code, and thus automatically become a functioning part of the system.

The Women's Student Government Association acts as a unifying body for all women students at Centenary. It establishes and maintains standards of conduct for women, and it fosters closer communication between dormitory residents and those who live in town. Dormitory Councils and a Judicial Board supervise administration of housing regulations and hear cases involving infractions of dormitory rules.

An elected Men's Dormitory Council acts upon infringements of housing rules which do not come under the jurisdiction of either the Honor Court or the Student-Faculty Discipline Committee. The Men's Judicial Board, composed of elected upperclassmen, considers appeals and referrals from the Dormitory Council and rules in other matters involving policies governing men students.

RELIGIOUS LIFE

Centenary believes that religious faith is the foundation of intellectual attainment as well as of personal development. The student is therefore provided with many opportunities for worship and for private meditation in the College Chapel. Centenary has its own Chaplain, assigned to minister to the campus. The Chaplain is available to students for counseling at any time. He has charge of the regular Sunday morning worship services in Brown Memorial Chapel, conducts the Thursday religious programs, directs the Methodist Student Movement, and coordinates all other religious activities on campus.

Most of the major religious denominations have active organizations headquartered either on or very near the campus. Students are strongly encouraged to participate in these organizational activities, and facilities of both the Chapel and the R. E. Smith Religious Activities Building are available to them.

The Methodist Student Movement is the organized ministry of the United Methodist Church to the campus. At Centenary MSM sponsors regular weekly meetings, films, lectures, discussion groups, and spring and fall retreats which are dedicated to Christian fellowship and to questions concerning the relationship of religious faith to higher learning in the modern college classroom. Programs of a similar nature are also provided by the Canterbury Club, the Baptist Student Union, and the Newman Club.

Each year, through the Willson Lecture Series, outstanding lecturers in theology, philosophy, and education are brought to the campus for several days. These guest lecturers are brought through the generosity of Dr. and Mrs. J. M. Willson of Floydada, Texas.

Opportunities for worship and theological lectures on an ecumenical and non-sectarian basis are offered to the campus. Regular Sunday morning worship services are held in Brown Memorial Chapel at 11:00 a.m. These services are planned with the particular needs of a college campus in mind, and frequently reflect experimental modes of worship.

On at least two Thursdays of the month, at 10:40 a.m. in Brown Chapel, there are religious services or theological lectures. Representatives of the major religious traditions officiate at various times. These services are designed to speak to the specific needs of the campus in the 1970s.

PUBLICATIONS

Student talent and student opinion find expression in the *Conglomerate,* the *Yoncopin,* and *Insights.* The *Conglomerate,* a newspaper, is published weekly when classes are in session, and *Yoncopin,* the college yearbook, is published in late spring. Both are student written and

student edited. They are partially financed by student fees, and scholarships are available to their editors. *Insights* is a magazine showcase for both writers and artists. It is published once a year under the sponsorship of Sigma Tau Delta, honorary English fraternity.

MUSICAL ORGANIZATIONS

The famous Centenary College Choir is a familiar sight and sound on radio, television, and theatre stages across the world. The group has made two overseas tours, filled two long engagements in Radio City Music Hall, and sung at many international conventions, in addition to making countless appearances before church, club, social, and civic groups all over the South. For 16 consecutive years the Choir has been appearing on its own sponsored television program. Such programs as the "Rhapsody in View" home concert, the solemn Easter Sunrise Service and the beautiful Christmas Lighting ceremony at Hodges Gardens near Many, Louisiana, are solidly established traditions.

The College Band has long distinguished itself in excellence and popularity with both students and community. The Band plays concerts at regular intervals for the enjoyment of the student body, and it plays for all sports events and all formal academic festivals. In the summer its members form the nucleus of a special band which plays a very popular series of free outdoor concerts each week in the Hargrove Memorial Amphitheater, under the joint sponsorship of the College, the City of Shreveport, and the American Federation of Musicians.

The Symphony Chorale gives student singers the opportunity to perform the great choral masterpieces with the Shreveport Symphony Orchestra, and the School of Music's Opera Workshop presents several productions of chamber opera each year, extending the opportunity to try out to every member of the student body.

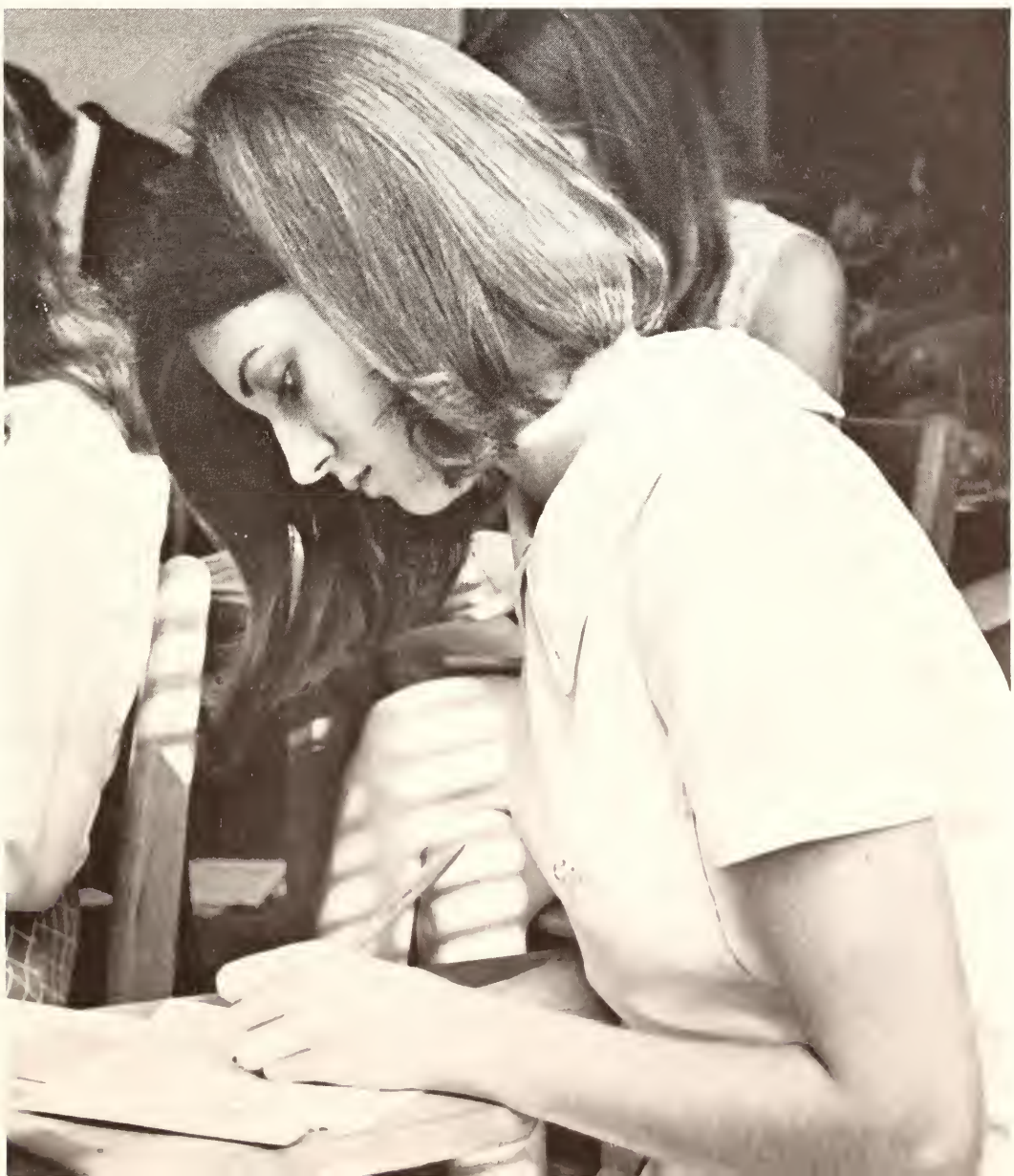
THEATRE AND ART

Centenary's magnificent and versatile Marjorie Lyons Playhouse makes it possible for the College to offer a strong major in theatre and speech. The River Town Players, a student theatrical organization, utilizes the talents of many students with an interest in theatre as well as those majoring in theatre arts. The aim of the Department of Theatre/Speech and the River Town Players is to present drama of imaginative artistic calibre, and to provide a diversified and entertaining dramatic program.

The College often brings the work of outstanding artists, sculptors, and photographers to the campus for showing in the Gallery of the Library. Centenary art majors and Faculty members show their work frequently in campus exhibits, and they participate actively in showings and competition off campus. The Centenary chapter of Kappa Pi, national fraternity for art majors, each Christmas sponsors a special exhibit and sale of student and Faculty art work for the benefit of scholarship projects. Rare books and particularly interesting or valuable manuscripts frequently are secured for display in the Library itself.

HONOR SOCIETIES AND SERVICE ORGANIZATIONS

A number of honorary fraternities and service organizations which recognize scholarship and leadership have chapters on the Centenary campus. These include: Alpha Chi, national scholastic fraternity for junior and senior men and women who have a 3.5 cumulative average and are invited to join; Alpha Epsilon Delta, national honor society for pre-medical students who have a 3.0 average in science courses and a 3.0 average in non-science courses; Alpha Sigma Chi, society of chemistry upperclassmen who have a 2.5 cumulative average and a 3.0 average in chemistry; Alpha Sigma Pi, scholastic fraternity for freshmen and sophomores with a 3.5 average; Phi Sigma Iota, national honor fraternity for Romance Languages; Sigma Gamma Epsilon, honorary fraternity for students with a 3.0 cumulative average in 10 hours of geology and a 2.0 overall average; Sigma Pi Sigma, honorary physics fraternity for students with a 3.0 average and three hours of advanced physics; Kappa Pi, national art fraternity; Phi Beta, national speech



and music fraternity; Sigma Tau Delta, national writing fraternity; Lambda Iota Tau, national literary honor society.

Membership in the Maroon Jackets is one of the highest honors that can be bestowed upon a Centenary coed. The Maroon Jackets are chosen from among the junior and senior women who have excelled scholastically (3.0 average required) and have shown outstanding leadership and service to the College. They are the official hostesses of the College, representing Centenary at all functions of major importance. Their counterparts among men students are the members of Omicron Delta Kappa, which recognizes leadership, scholarship, and service in various fields of activity. Members are elected from the outstanding members of the junior and senior classes by the members of the chapter, Faculty and students. Kappa Chi is a service organization which invites members of any denomination who are interested in full-time religious vocations.

Membership in Alpha Phi Omega, a national service fraternity, is open to men students at Centenary who have a cumulative average of 2.0 or better and who are interested in developing leadership, promoting friendship, furthering the freedoms that are our national heritage, and offering other services to humanity. Women students are eligible for membership in Phi Alpha Lambda, a leadership and service organization with similar aims and goals. Both men and women may belong to the Sophomore Service Organization.

There are a number of other clubs and organizations through which the student can become enjoyably involved in campus life and make friends with other students. These include the Math Club, the French Club, the German Club, the River Town Players, the Karate Club, the Physics Club, the Psychology Club, the Spanish Club, the Student National Education Association, the Physical Education Majors Club, the Centenary Young Democrats Club, the Centenary Young Republicans Club, the Student Louisiana Teachers Association, and Kappa Lambda (the classics club).

SOCIAL FRATERNITIES AND SORORITIES

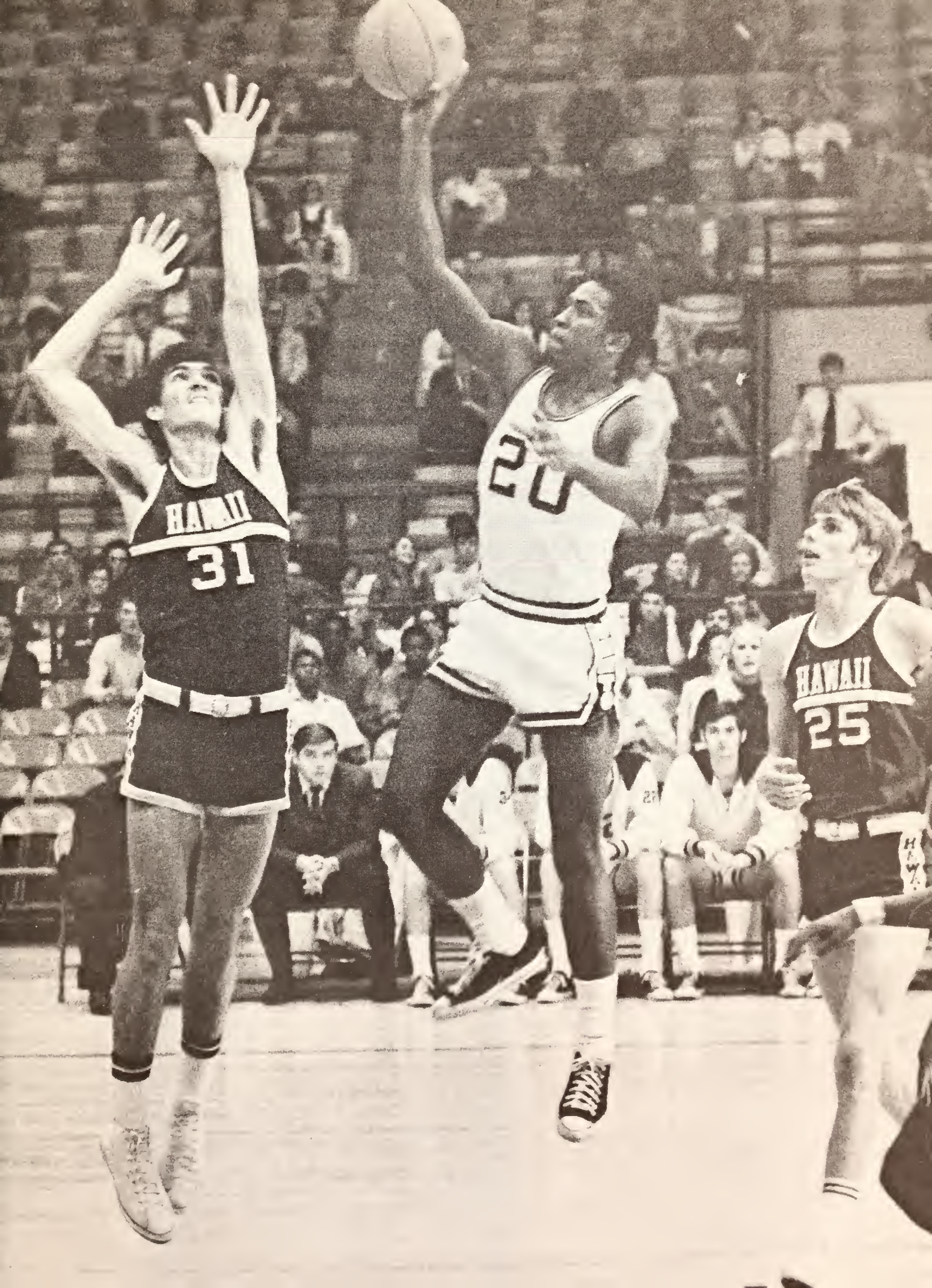
The Greek world at Centenary is composed of four national fraternities and three national sororities. The fraternities are Kappa Alpha, Kappa Sigma, Tau Kappa Epsilon, and Theta Chi. The sororities are Alpha

Xi Delta, Chi Omega, and Zeta Tau Alpha. The Interfraternity Council and the Panhellenic Council help maintain sound relations between social fraternities and sororities on campus, and they pursue ways to encourage scholarship and intellectual accomplishment. Rush season at Centenary begins with the fall semester.

INTELLECTUAL, CULTURAL AND SOCIAL ACTIVITIES

Activities of all kinds are constant lures for student attention during the year. The Senate-sponsored Forums series brings to the campus renowned educators, politicians, leaders, and thinkers. Through Lyceum programs students enjoy guest lecturers and entertainers representing all of the arts. During the academic year there are many special concerts, recitals, offerings of the Symphony Chorale, the Opera Workshop, the Marjorie Lyons Playhouse, and art exhibits.

In addition to all the social events regularly scheduled by the Greek organizations, there are many all-college dances, beauty contests, movies, pop music from the Coffee House Circuit, big name entertainment, and other activities involving the entire student body at frequent intervals during the year. These include the traditional spring Founders' Day picnic, Faculty Follies, and an all-campus weekend.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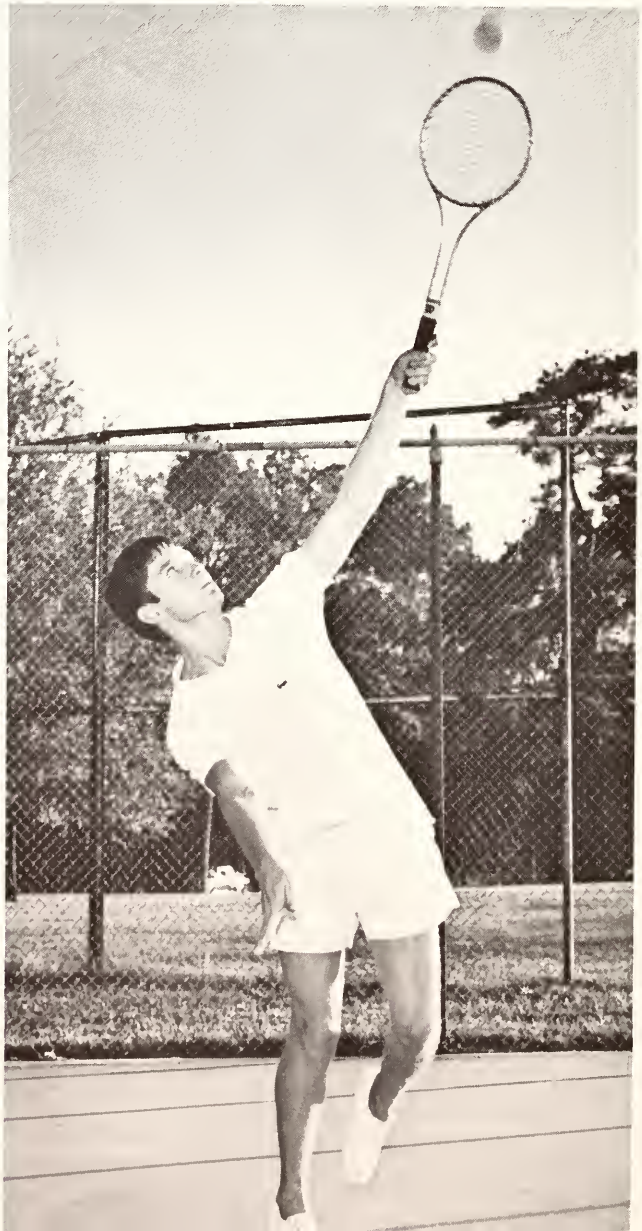
HAWAII
25

ATHLETICS AND INTRAMURALS

Centenary gives considerable importance to a broad general program of physical fitness for the entire student body. A wide range of physical activity courses are available, giving instruction in various individual and team sports. As an adjunct to formal training, both men and women students are strongly encouraged to participate with teams in intercollegiate competition and to take part in the various intramural programs which are available. Men play intramural football, basketball, ping-pong, handball, volleyball, tennis, softball, and participate in cross-country competition. A Women's Recreation Association organizes contests and promotes sportsmanship among women students in similar activities.

In intercollegiate competition, Centenary is a major independent College. Freshman and varsity basketball teams play in the University Division of the NCAA; golf, tennis, and baseball teams play in the College Division. The College does not participate in intercollegiate football and does not sponsor a varsity team in this sport.



STUDENT SERVICES

The academic life and the personal welfare of the student are inseparable. Recognizing this, Centenary has set up a sound program of advisement centered around the academic, the personal, the religious, and the social aspects of the student's life on campus. Each student is assigned a Faculty adviser who is either the chairman of the department of his major area or is a Faculty member teaching in that department. The Dean of the College counsels in academic affairs, while the Dean of Students and the Dean of Women advise on personal, social, and dormitory problems, and those concerning Greek letter organizations. The Director of Student Activities assists in planning all social activities on the campus, publishes the Activities Calendar, and is responsible for the Student Union Building. The Registrar helps students with degree plans and graduation requirements. The Chaplain of the College coordinates religious services and programs, and is always available for personal counseling.

Students who desire assistance in securing part-time employment either on or off campus should see the Director of Financial Aid. Students seeking permanent placement upon graduation may register with the Director of Student Activities. The Department of Education has a separate office for teacher placement.

To meet the health needs of the campus, the College maintains a small dispensary with a full-time registered nurse.

COUNSELING SERVICES

The College has found a need among students for counseling in matters of personal and social concerns, and has established counseling services through the following offices: the Dean of Students, the Dean of Women, the Chaplain, the Director of Student Activities, and the Psychology Department. Students are encouraged to initiate contact with these counselors at any time of need.

In addition to the counseling service, the Department of Education and Psychology offers a testing service for students to help clarify problems and to analyze special needs and vocational interests.

III
ADMISSIONS

Centenary College accepts applications for admission from students in the college preparatory programs of accredited secondary schools, and from students desiring to transfer from other accredited colleges and universities, without regard to race, color, or religious commitment. There is no fixed deadline for applications, though they must be received in complete form before the date of registration for the semester in which admission is sought. It is, however, advisable to apply by December 1 of the senior year in high school. The College selects those students who demonstrate the ability to do successfully the work of the academic program, those who will profit most from the opportunities offered in the academic community, and those who seem to possess the most promise of contributing constructively to student life on the campus.

REQUIREMENTS AND PROCEDURES

Admission to Centenary is based upon consideration of academic achievement, scores on standard entrance examinations of aptitude and achievement, and on personal qualities as demonstrated in recommendations and in interviews. The candidate for freshman admission must be a graduate of an accredited secondary school and present a minimum of 15 college preparatory units, some of which are prescribed and others recommended.

Those required are: three units of English, two of history and other social science and two of college preparatory math (one algebra and one geometry).

Those strongly recommended are: two units of foreign language, one of natural science, and an additional unit of English.

The student must provide evidence of his proficiency in these subjects, in the form of certified transcripts from his secondary school. He must also present acceptable scores on the Scholastic Aptitude Tests of the College Entrance Examination Board or of the American College Testing Program. A personal interview with a member of the staff of the Office of Admissions or its designated representatives is not required, but is advisable if it can be arranged.

As a condition of admission of all students, freshman or transfer, the candidate must subscribe to the Centenary College Honor Code; as a part of the registration process, he must certify that he has read and will abide by its provisions. The Honor Code governs all areas of academic life in the College, including preparation of daily assign-

ments, all written work, and examinations.

Application blanks and other information about the College and its programs may be obtained by writing to the Office of Admissions, Centenary College, Shreveport, Louisiana 71104. When application for admission is complete, it includes the following:

1. The completed application blank, together with the application fee of $10.00, which is not refundable nor applicable to tuition charges.

2. A complete transcript of all high school grades, or in the case of transfers from other colleges, of all academic work done in all other collegiate institutions.

3. Report of scores from either the SAT or ACT.

Applications for admission are reviewed by the Director of Admissions and the Faculty subcommittee on admissions as they are received in complete form, and decisions are announced throughout the year by the Director of Admissions in writing to the applicant. The successful candidate should within thirty days of the date of the offer of admission indicate his intention of accepting it by (1) writing to the Director of Admissions signifying his acceptance; (2) guaranteeing his intention to register by payment of an advance tuition deposit of $50.00; (3) completing and returning a Dean's Personnel Record, on which if the student intends to live in College housing he may make application, which requires an additional $50.00 deposit; (4) completing the applicant's portion of the College Health Form and arranging for the required physical examination. Neither of the above deposits is refundable after June 1 in the case of fall admissions. The tuition deposit is applied to the first semester's tuition charge, but the room deposit is not applied to charges; rather it remains in the student's account as a warranty against damage to College property until the student leaves the College, either by withdrawal or graduation.

EARLY ADMISSION

Certain gifted and carefully-selected students who have completed the junior year in high school may be admitted as full-time regular students in the College, bypassing the senior year in high school. Such students do not receive a high school diploma, but are enabled to begin the advanced academic work of college a year earlier than normal. The requirements for early admission are stringent: three units of English, three of mathematics, two of natural science, and two of social science; the personal recommendation of the student's high school principal and guidance counselor, and the approval of his parents, all in writing; junior year SAT or ACT scores showing high degree of aptitude and verbal skills, and a three-year high school record of outstanding achievement; and a personal interview with the Faculty subcommittee on admissions which gives evidence of maturity and responsibility. Students interested in becoming candidates for early admission should write to the Director of Admissions.

ADVANCED PLACEMENT

Centenary College participates in the Advanced Placement Program of the College Entrance Examination Board. Subject to the approval of the departments concerned, students who score three, four, or five on Advanced Placement examinations will be considered for advanced placement and/or advanced standing (i.e., college credit for the work done in secondary school). For further information about the Advanced Placement Program, students should consult their high school counselors, or write to the Dean of the College.

ADMISSION OF TRANSFER STUDENTS

Procedures for application for admission as a transfer student from another collegiate institution are the same as those outlined above, except that official transcripts of all college work undertaken prior to transfer must be submitted. Normally, high school transcripts and test scores are not required of students who have done acceptable college work elsewhere. If the student is enrolled at another institution at the time of application to Centenary, admission if offered must be regarded as tentative until a final transcript has been received. To be acceptable as a transfer, a student must have achieved a cumulative average of at least 2.0 (C) in all work attempted previously. Students are occasionally admitted who do not meet this requirement, on probation and with the following additional requirements: like other probationary students, they may register for no more than four courses or 13 semester hours while on probation; they must meet once a month with their Faculty advisers while on probation; and they will attend a special orientation session with the Dean of the College, the Dean of Students, and the Dean of Women at the beginning of their first semester in the College.

Credit transferred from other institutions is regarded as tentative pending the successful completion of work at Centenary. Credit is transferred only for work in which a grade of "C" or better has been earned, and only for courses which have been approved by the Faculty for offering at Centenary, or reasonable equivalents thereof. Grades from other institutions are not transferred, and cumulative averages are calculated only on work done at Centenary, except for the calculation of graduation honors (which see in this Catalogue).

ADDITIONAL REQUIREMENTS IN MUSIC

Entering students are given auditions and placement tests in music theory and piano (for non-keyboard majors). For unconditional acceptance as a music major, a student should be able to perform an entrance audition in his major applied area, meeting standards which are set by the School of Music. Placement tests are administered during the freshman orientation period each fall, and before registration for the second semester. Entering freshmen should consult early with the Director of the School of Music concerning qualifications, auditions, and tests.

Credit in applied music for students transferring from other colleges will be determined by an audition before the music Faculty and by progress made during the first semester at Centenary. Transfer students should also expect to take examinations in music theory and music history to determine whether equivalent standards have been met.

IV
COSTS AND FINANCIAL AID

Centenary College is a non-profit institution. The tuition, fees, and other charges paid by the student cover less than half the actual cost of his educational opportunity. The remainder of these costs is borne by income from endowments and from the generosity of friends of the College and of the United Methodist Church with which the College enjoys an historic affiliation. In this way, the cost to the student is kept at the lowest possible amount consistent with adequate facilities and excellent instruction. Very few colleges can, in times of generally rising costs, guarantee that educational charges will not also rise during any undergraduate generation; realistic students and their parents will consider that it is more likely that in four undergraduate years, they will experience at least one increase in charges. The Board of Trustees of the College, which sets the level of tuition and fees, must reserve the right to institute such increases as and when they become necessary.

ANNUAL EXPENSES

The Trustees have set the charges for 1970-71 as follows:

Tuition and general fees (per semester):

Arts and sciences curricula	$650.00
Music curricula	700.00
Dormitory room (double occupancy), per semseter	160.00
Summer session	80.00
Food service, per semester	275.00
Summer session	140.00

The tuition and general fees are applicable to all registrations in the normal full-time range of from 12 to 18 semester hours' credit (four to six courses). Any registration for less or more than these limits is charged at the per credit hour rate of $50.00. This rate also applies to students in the evening classes offered by the College, in the summer session, and in the January Interim program. One exception to this rule is that junior and senior students who have a cumulative average of at least 3.0 and the permission of the Dean of the College may register for one course in excess of the normal 18 hours without additional tuition charge.

Other special (and generally non-recurring) fees are as follows:

Application fee (non-refundable)	$ 10.00
Change in registration (per change)	5.00
Graduation fee	15.00
Indentification card replacement	5.00

Late registration	10.00
Parking fee for day students (yearly)	4.00
Part-time tuition per credit hour	50.00
Room deposit and warranty (refundable)	50.00
Student teaching fee	100.00
Teacher certification fee	15.00
Transcript fee (first copy free)	1.00

An estimate of annual cost to the student should include some allowance for clothing, laundry, travel, and personal spending money. The cost of books, music, and other supplies will vary with the student's curriculum. In most cases the annual expense will be approximately $100.00.

The general fees (which amount to $50.00 of the charge for tuition and fees per semester) include medical fees, insurance, physical education, student activities fees, library, student newspaper, the College yearbook, identification card, athletic events, and all laboratory fees except those special charges levied for excessive breakage and waste.

The tuition surcharge of $50.00 per semester for students in music curricula covers all applied music and instrument rental fees. Part-time music students will be assessed a pro rata portion of this surcharge.

PAYMENT OF FEES

Matriculation in the College is an implied contract by which the student accepts all regulations of the College, including those governing payment and refunds. Charges are made by the semester and they are payable by the semester. Payment of semester charges, or arranging to pay them, is a part of the registration process. Enrollment has not been completed until the student has paid his fees or has made satisfactory arrangement with the Comptroller. Students who are more than ten days delinquent in payment of any fees may be suspended from the College.

There are several acceptable methods of payment:

1. The entire account may be paid on registration.
2. One-third of the charge may be paid on registration and the balance in two equal installments, one due 30 days after registration and the other 60 days after. There is an installment charge of $10.00 for this method of payment. (Credits for scholarships and financial aid cannot be considered part of the first payment.) This arrangement must be approved by the Comptroller at registration.
3. For the summer session, the entire amount is payable on registration, or the student may pay half on registration and the balance within 30 days. There is an installment charge of $5.00 for this latter method.

4. Two commercial installment plans are available to Centenary students. Both make available a low cost deferred payment program. For information consult the College Business Office, or write directly to:

Educational Funds, Inc.
10 Dorrance Street
Providence, Rhode Island 02901

or

The Tuition Plan, Inc.
575 Madison Avenue
New York, New York 10022

REFUNDS

There is no refund for courses dropped while the student continues in other courses. If a student withdraws from all courses during the first four weeks after class work begins, there will be a 50% refund of tuition. After that date, there is no refund of tuition. Board for that part of the semester which has not been used will be refunded regardless of the date of official withdrawal; room rent cannot be refunded, however. Official withdrawal is the date the student receives the approval of the Dean of the College for his withdrawal, and all refunds are based on that date, regardless of the date of last attendance. Failure to attend classes does not constitute a withdrawal, and there are academic penalties also for failure to complete the proper procedures; for these see the appropriate passage in the "College Regulations" in this Catalogue. Students who are called or recalled into military service during a semester are granted pro rata refunds of all payments. Students who are separated from the College as the result of disciplinary action forfeit all refund rights.

FINANCIAL AID

Centenary College believes that the academically qualified student should be able to attend the college of his choice regardless of his financial circumstances. The College, therefore, offers a program of scholarships, loans, grants, and part-time employment to serious and qualified students. Over 50% of the student body receives some kind of financial assistance, and the College in recent years has had nearly half a million dollars annually available for this purpose.

To be considered for any form of financial assistance, the student must (1) demonstrate his eligibility for admission by filing all forms and fees, and receiving an offer of admission; (2) filing an application for financial aid, available from the Director of Financial Aid's office at the College; (3) filing the Parents' Confidential Statement supplied by the College Scholarship Service, Princeton, New Jersey 08540, or the Family Financial Statement supplied by the American College Testing Program, Iowa City, Iowa. Both these forms are generally available from high school guidance counselors.

Students who demonstrate outstanding promise of contributing valuably to the life of the College by (1) scholarly and intellectual achievement, as indicated by such awards as valedictories, National Merit Scholarship recognition, Academy of Science awards, etc., or (2) exceptional proficiency in extra-curricular activities such as music, athletics, dramatics, etc., may request consideration for grants ranging from nominal amounts to full tuition, depending upon merit and financial need.

Students with substantial financial need who must have assistance to pursue their education at Centenary may request consideration based upon financial need alone. Grants will range up to full tuition, and will frequently be accompanied by loans and work opportunities in an amount adequate to meet the candidate's need.

Special tuition concessions are granted to pre-theological students and to dependents of ministers of all denominations. To be eligible for this tuition remission, the student must be a full-time student who is single and making his home with his parents. He must have and maintain at least a "C" average.

There are several loan funds available to entering students. The largest of these is that established by the National Defense Education Act. Others include the Louisiana Higher Education Assistance Commission Loans, for residents of Louisiana, the United Student Aid Fund Loans, and the United Methodist Student Loan Program, for members of that church. Students and their parents are encouraged to utilize loans as a means of financing a part of the cost of college.

Students rarely are able to earn all of their expenses while attending college, but many students do pay part of their expenses by working in the College Library, laboratories, and offices, as well as in the community at various jobs. Such employment should be carefully limited so as not to interfere with sound academic progress. Students who find that they must work 20 hours a week or more are urged to limit their registration to no more than four courses or 13 semester hours. Information about employment opportunities, both on and off campus, as well as about all other forms of financial assistance, is available from the Office of the Director of Financial Aid.

V

COLLEGE REGULATIONS

Admission to the College and attendance in classes are conditional upon acceptance of and compliance with the rules and regulations of the College as now established or hereafter revised. It is the responsibility of the student both to know the rules of the College and to abide by them.

The most important of these rules—those which constitute the very foundation upon which the educational program of the College rests—are contained in the Honor Code of Centenary College. As a condition of admission to and registration in the College, every student must agree to comply wholly with the provisions of the Code. These provisions, along with other regulations governing College life, are published annually in the student handbook known as *Gentlemanly Speaking.* The Honor Court also periodically publishes a booklet containing explanations and interpretations of the Code and its implications. Campus parking and traffic regulations are published in another booklet available at the College Business Office.

For the smooth and orderly completion of the chosen academic program and the requirements of the degrees offered by the College, it is essential for the student to become entirely familiar with the contents of this Catalogue. It is particularly important for this 1970-71 issue, because it contains the record of major revisions of the College curriculum and degree requirements, which are mandatory for members of the Class of 1974 and later classes, and optional for members of earlier classes.

The course offerings, rules, regulations, and fees appearing in this Catalogue are announcements. They are not to be construed as representing contractual obligations of Centenary College, which reserves the right to change its courses of instruction, fees, charges for room and board, and its general and academic regulations without notice should circumstances warrant in the judgment of the College.

Registration

All students are required to register for each session during the formal registration period designated by the College in the official Academic Calendar. A late fee of $10.00 will be charged for the completion of registration after the last designated day for registration. No registration is permitted after the date specified in the Calendar as the "last day for enrolling or changing courses." Registration is complete when the appropriate cards and forms have been filled out properly and fees have been paid.

Change of Registration

After registration is ended, a fee of $5.00 is charged for any change of registration (i.e., for each course dropped or added) not initiated by the College. A change is initiated by the College when the student is instructed to make the change by an instructor, his adviser, or the Dean of the College. Classes may be added only with the approval of the instructor and the Faculty adviser, and require the approval of the Dean of the College; this may be done only until the date designated in the Calendar. Classes may be dropped with the approval of the adviser and the Dean, until the date designated in the Calendar as the "deadline for dropping courses without academic penalty." If a student drops a course after this day, he will receive a grade of "F" for the course. Permission will not be given after this deadline for a change from "credit" to "audit."

The "last day for enrolling or changing sections" is also the deadline for changing a regular registration to a "Pass-Fail" registration or vice versa.

A student may change from one major or degree program to another at any time with the approval of both advisers concerned, on forms available at the Office of the Registrar. All course changes are also initiated in this Office.

Withdrawal

If it should become necessary for a student to withdraw from the College, he must secure forms for this purpose from the Office of the Registrar, and he must secure the permission of the Dean of the College. Permission will not normally be given except in case of emergency after nine weeks of the semester have elapsed. The student must discharge all financial obligations to the College and be cleared by the College Library in order to receive the Dean's approval. Failure to attend classes does not constitute withdrawal, and if a student leaves the College without completing the withdrawal procedures, he will receive a grade of "F" in all courses in which he was registered, and will forfeit any right to refund of fees.

Course Load

Candidates for degrees must register for at least four courses (or 12 semester hours) each semester. The normal course load is five or six courses (15-18 semester hours). Students on academic probation may not register for more than four courses or 13 semester hours. Special permission must be obtained from the Dean of the College for any student to register for more than six courses (18 semester hours), and permission will not be given to any student to register for more than seven courses (21 semester hours). The maximum load in the summer session is three courses or nine semester hours, except with the Dean's

permission. Students of junior and senior standing who have an average of at least 3.0 and the permission of the Dean may register for one course in excess of 18 semester hours without additional tuition charge.

Course Sequence

Students who have received "F" in a course will not be permitted to enroll in a more advanced course in the same subject until they have repeated the course with a passing mark. It is possible, though not recommended, for a student who has failed the first half of a year course to enroll in the second half if he has the approval of the instructor and the Dean. Students who have received an "I" grade in a course may, with the permission of the instructor, enroll in a more advanced course in the same subject.

Class Attendance

Students at Centenary College are responsible for mastery of material presented in the class sessions of the courses in which they are registered. Members of the Faculty are not expected to provide students who absent themselves from class without emergency reason with material (including examinations) covered in class. Faculty members are expected to inform the Dean of Students or the Dean of the College when students are absenting themselves from an excessive number of classes. Within this framework of understanding, class attendance is not compulsory.

Chapel Attendance

By recent action of the Faculty, attendance at chapels and assemblies is no longer compulsory, and no credit is given for such attendance. Nevertheless, the College believes that participation in corporate worship and learning of theological and spiritual truths are integral to the education of the whole person, and strongly encourages regular attendance at the excellent programs presented in the College Chapel. Recognizing the value of the gathering of the Faculty, administration, and student body as a campus community from time to time, the Faculty has established the period from 10:40 to 11:30 on Thursday as a period reserved for such gatherings for academic and religious purposes. No other meetings may be scheduled during this period, by either Faculty or students.

Examinations

All students are required to take the written examinations of from two to three hours' duration at the end of the semester in all courses except those in which the material covered does not lend itself to this type of measurement. An exception to this regulation is the senior candidate for a baccalaureate degree whose work is of "A" or "B" quality. In the spring semester, if the instructor of the course permits, he may be excused from the examination in that course.

Credit

Most courses at Centenary meet either three times a week for 50 minutes each period or twice a week for 75-minute periods. Until the fall semester, 1971, such courses earn three semester hours' credit for each semester successfully completed. Some few courses, such as science laboratories which are separately listed, physical education activity, engineering drawing, and studio art earn only one semester hour's credit for three class meetings per week.

After September, 1971, most science laboratories will not be separately listed, and all academic courses will earn one "course credit" per semester. After that time, all "activity" courses, such as physical education, musical ensemble participation (e.g., choir, band), theatre production and performance, forensics, etc., will earn credit on a cumulative basis: one-half course credit will be earned for any two semesters of activity courses successfully completed. The degree requirements in this and subsequent Catalogues will be stated in course-credit terms.

Pass-Fail Courses

Students who have attained sophomore standing may register for courses in such a way that degree credit is earned but letter-grades are not assigned. The usual credit will be given if the course is successfully completed, but the grade will be recorded simply as "Pass," and the grade is not used in calculating cumulative grade averages. If the course is not successfully completed, an "F" grade is assigned and the cumulative average reflects the failure.

No more than eight courses taken under the "Pass-Fail" system may be counted toward graduation requirements, and courses required by a student's major department may not be taken "Pass-Fail."

A student may not change a pass-fail registration to a regular enrollment nor vice-versa after the normal deadline for changing registration (usually the second Friday after classes begin).

Grading System

At the end of each semester, letter grades are given in each course. These grades, their general significance, and their equivalent quality points (used in computing averages to determine academic standing) are as follows:

A—work of high distinction; four quality points per semester hour

B—above average work: three quality points per semester hour

C—average work; two quality points per semester hour

D—passing work, but below average; one quality point per semester hour

F—failing work; no credit, no quality points; course credit counts as work attempted in calculating averages

IS BETTER THAN POT
S UP!

P—the passing grade recorded when a student takes a course under the Pass-Fail system (see above); no quality points; the credit given is not used in calculating averages

I—incomplete work, given only when emergency prevents the student from completing final examination or other concluding work of the course at the scheduled time. This temporary grade must be removed by completion within one semester of the time it is assigned, or it is automatically converted to a permanent "F"

W—withdrawal; no credit, no quality points

At mid-semester during each semester, instructors report to the Dean of the College all grades averaging below "C." These are not official grades, but are used as warnings that improvement is necessary. Faculty advisers are notified of these deficiency reports, and students should consult with their advisers immediately upon receiving them.

Probation and Dismissal

To qualify for graduation, a student must achieve an average of 2.0 in all work taken in his major department, and an average of 2.0 in all other work taken in the College, figured on the 4.0 scale defined above ("Grading System"). Since some students will require a period of adjustment to the freedom and responsibility of college study, the Faculty has set a graduated scale of minimum standards for good academic standing for each year of study. This scale is as follows:

First year (1 to 30 credits): 1.6

Second year (31-60): 1.8

Third year (61-90 credits): 1.9

A student will be placed on academic probation for the following reasons:

(1) If his cumulative average falls below the standards of the above scale; or

(2) If at the end of any year his average in all courses taken in his major department falls below 2.0.

Academic probation is intended as a warning to the student that his work has fallen below the standards necessary to allow him to achieve graduation with his class. Probation is for a period of one academic year (except for freshmen and first-year transfer students: see below), although a student who plans to attend summer school at Centenary, and who may thereby be enabled to lift his probation, may petition the Dean of the College for an extension of his probation until the end of the summer session.

Freshmen who have not achieved an average of 1.6 by the end of their first semester will be placed on freshman probation, a warning that their work is below acceptable standards of the College. Similarly,

first-semester transfer students will be placed on special probation if their average is below that required for their classification. Freshman students so warned who do not achieve an average of at least 1.3 by the end of their first year will be suspended from the College, and transfer students who have not attained good standing after one semester of probation will also be suspended.

Any student who fails to achieve good standing by the end of his probationary period will be suspended from the College for a minimum of one regular semester. After the expiration of the minimum suspension period, a student may apply to the Office of Admissions for readmission to the College, but readmission is neither automatic nor guaranteed at that time. If the application is approved, the readmitted student will be on probation, for one semester only, during which time substantial progress must be achieved toward good standing. A second suspension will constitute dismissal, and no further application for readmission will be entertained by the College.

A student whose yearly average in any academic year falls below 1.0, whether or not he is on probation, is liable to suspension.

A student on probation who achieves a yearly average of at least 2.2 will not be suspended, whether or not his cumulative average thereby reaches the level required for good standing.

Classification

A "regular student" or "full-time student" is defined as one enrolled in at least twelve semester hours' credit, or four full courses.

Regular students are classified as follows: freshmen are those with less than 27 semester hours' earned credit, or less than nine courses; sophomores, those with from 27 to 59 hours, or from nine to 19 courses; juniors, those with 60 to 89 hours, or 20 to 29 courses; seniors, those with 90 or more hours, or 30 or more courses.

Repeating Courses

Students who have earned credit in a course may not repeat that course for credit. However, students who have earned a grade of "D" in a course may repeat the course to improve their mark. Credit is earned only once; the two grades are both used in the calculation of cumulative averages.

Faculty Advisers

Each student at Centenary College is assigned a Faculty adviser whose duty it is to counsel with the student regarding his degree program, his vocational or professional interests, his course schedule for each session, and his progress toward graduation. Each faculty adviser is available for frequent consultation, and will call his advisees to see him in case of deficient grade reports and for semester course program planning. Normally, however, it is the student's responsibility to seek

advice when he needs it, and he should have no hesitancy in doing so at other than the required times of consultation.

A student normally stays with the Faculty adviser assigned to him as a freshman until he declares a major and his files are transferred to an adviser in his major department. However, a student may request the Office of the Registrar to change his adviser assignment at any time, and if another adviser can accommodate him, the change will be made.

The Faculty adviser must approve, by signature, each student's course program for each semester, and all changes of registration made after the formal registration period.

Major Fields

A student who is a candidate for a degree must declare a field of specialization (major) by the beginning of his junior year. Many students are accepted as majors by the several departments before they have reached that level. A major consists of courses within one department totaling from 12 to 44 semester hours (eight to 12, or in some cases up to 15, courses), plus courses in one or more related subjects which total from 12 to 30 semester hours (up to eight courses under the new curricular requirements).

Students transferring from other institutions may not transfer more than one half of the upper division courses required in the field of their major.

The College offers majors in art, biology, business, chemistry, economics, elementary education, engineering science, English, foreign languages (any combination of two of the following: French, German, Latin, and Spanish), French, geology, government, history, mathematics, music, philosophy, physical education, physics, psychology, religion, sociology, Spanish, speech, and theatre.

Major and Degree Plan

As early as possible after deciding upon a choice of major field, the student should in consultation with his Faculty adviser plan the remainder of his degree program, so that he may proceed in an orderly way to meet the requirements of his major and of the degree for which he is a candidate. The student is required to file his degree plan, approved by his adviser and endorsed by the Registrar, in the Office of the Registrar, no later than the end of the semester preceding the one in which he expects to graduate.

Degree Requirements

To qualify for the baccalaureate degree at Centenary a student must:

1. Earn no less than 40 course credits, no more than two of which may be earned in January Interim studies, and no more than two of which may be earned in cumulative-credit activity courses. The work of the senior year, totaling not less than 10 courses, must be

taken in residence.

2. Meet the basic requirements for the degree to be earned.

3. Meet all the requirements for a major field of study.

4. Maintain a quality point average of 2.0 or higher in all courses taken in the department of his major, and of 2.0 or higher in all other work taken in the College.

5. Have filed a degree plan in the Office of the Registrar before the end of the first semester of his senior year.

6. Discharge all financial obligations to the College.

7. Meet the requirements of a Catalogue published in one year of his attendance and within five years of his proposed graduation.

8. Be present at the Commencement exercises to receive the degree conferred.

In addition, all candidates for bachelor of arts and bachelor of science degrees must satisfy the following curricular requirements:

1. English 101, Expository Writing. Entering students who have attained certain prescribed scores on the SAT or ACT entrance examinations are invited to sit for an examination by which they may be exempted from this requirement. Information about exemption may be obtained from the chairman of the Department of English. All entering freshmen, and all transfer students who do not offer transferable credit in Engilsh 101, are required to register immediately for English 101 unless they have been exempted from it. Any student who fails this course must register for it in each subsequent session until he has satisfactorily completed it. Students whose native language is other than English are allowed to register for English 101 as auditors before attempting to complete it for course credit.

2. At least three courses from each of the following divisions of the curriculum, and at least one from each of the subdivisions:

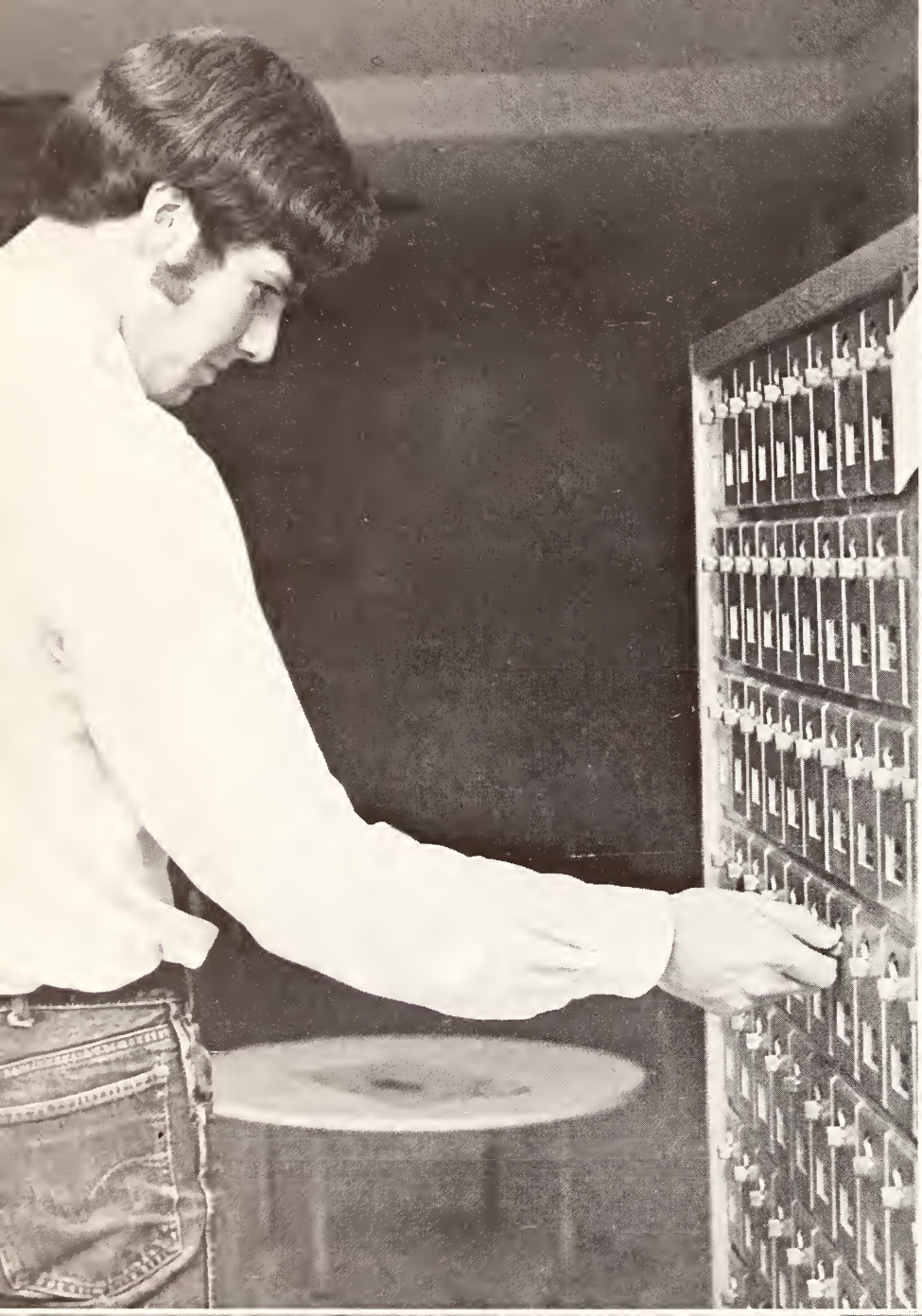
I	II	III	IV
Sciences	A. Art	A. Religion	A. Government
Mathematics	Music	Philosophy	Economics
	Theatre	B. History	B. Sociology
	B. English and Foreign Literatures		Psychology

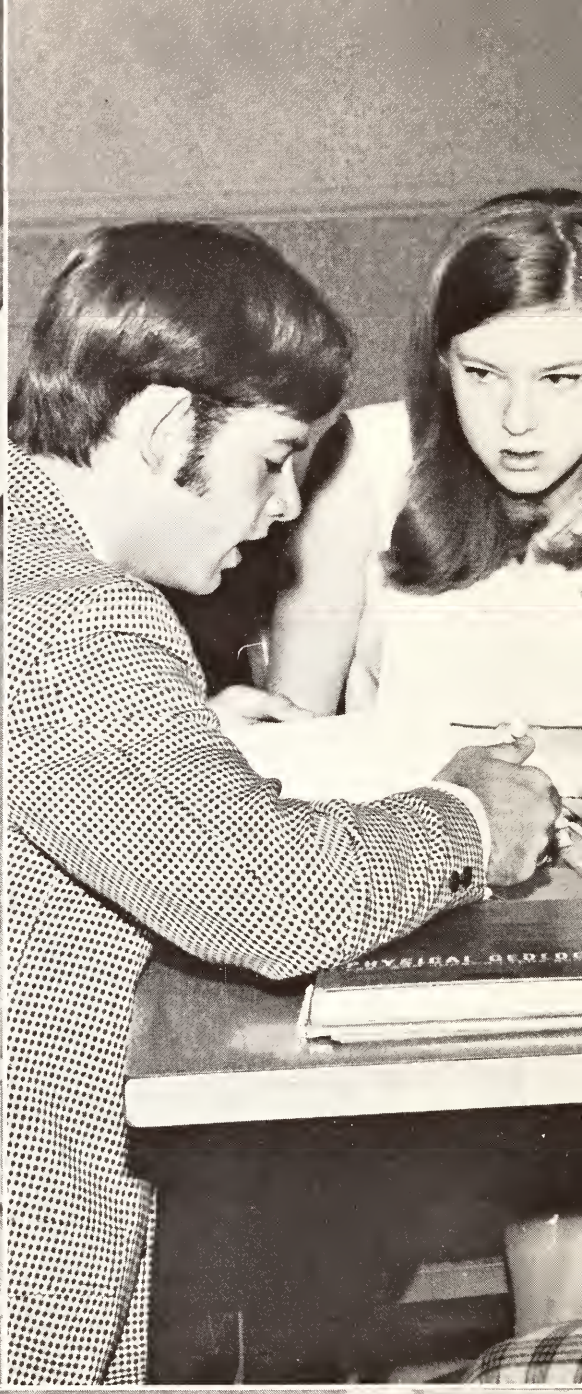
Note: The requirement in Division II.B. may be satisfied by any course in English literature, and by any course in the Foreign Languages Department numbered 300 or above.

3. General Education 402, Great Issues.

4. Of the 40 courses offered in satisfaction of the graduation requirements, at least 10 must be numbered 300 or above.

NOTE: Not all courses may be used to fulfill the distributive require-





ments of section 2 above. The following have thus far been approved by the Curriculum Committee for satisfaction of the requirement:

ART: 101, 102, 103-104, 105-106, 107, 305.
BIOLOGY: All courses.
CHEMISTRY: All courses.
ECONOMICS: All courses except 301-302; note that only economics courses, not business courses, may be offered.
ENGLISH: All courses except 101, 205, 307, and 342.
GENERAL EDUCATION: 197, 198, for Division II.A.
GEOLOGY: 101-102, 111-112, 151, 201, 202, 252.
GOVERNMENT: All courses except 303, 309-310, 421, and 441.
HISTORY: All courses except 441.
MATHEMATICS: All courses numbered 101 and higher.
MUSIC: 111-112, 141-142, 143-144, 170. (If 170 is offered, it must be a full course-credit.)
PHILOSOPHY: All courses.
PHYSICS: All courses.
RELIGION: All courses except 203, 301, 302, 317, 318, 310, and 412.
SOCIOLOGY: All courses except 302 and 414.
THEATRE/SPEECH: Only 112, 203, 204, 307-308, and 412.

Double Majors

A student who satisfies all requirements of more than one major may have both majors entered upon his permanent record. A student must select which degree (if two different degree programs are involved) will be designated on his diploma. If only one degree program is involved, he may choose to have both majors listed upon his diploma, but no student may qualify for more than one degree or more than one diploma at any Commencement.

Second Degrees

To qualify for a second baccalaureate degree, a student must present at least ten additional courses, and must meet all distributive requirements and all requirements for a new major. At least eight of the ten courses must be taken in residence. The candidate must meet the requirements of the Catalogue of the year he enrolled for the second degree and must complete them within five years. No student is eligible for more than two undergraduate degrees at Centenary.

Interim Studies

Nearly every department of the College will from time to time offer a course or courses during the January Interim, which are listed in this Catalogue as I-99, but whose topics vary from year to year. Announcement of the courses to be offered will be made during the fall semester preceding the Interim, and registration for I-99 courses will be held

before the close of the fall semester. As set forth above, no more than two I-99 courses may be counted toward satisfaction of the minimum 40-course requirement for the degree; but students who exceed the minimum may of course register for additional Interim Studies. The purpose of the program is the enrichment of the liberal arts curriculum by concentrated study for a short period of topics of general or specialized interest not normally offered in courses. Many of the courses will involve study off the campus, either at other institutions or in the field.

Honors Programs

Centenary offers an Honors Program to interested students of outstanding ability in the field of their major interest. The programs are proposed by the different academic departments and approved by the College Honors Committee; they include opportunity for independent study plus papers, research reports, and/or showings or public performances in the case of Honors work in the arts. To be eligible for admission to candidacy for Honors, a student must have a quality point average of at least 3.0 in both major and non-major subjects; he must maintain these averages to remain in the program; he must have attained junior standing and must normally have earned more than half of his credits at the time of admission to the program in work done in residence at Centenary; he must have his candidacy for Honors approved by his major department and by the College Honors Committee. To qualify for Honors a student must spend a minimum of two semesters in the program.

Attainment of departmental honors through successful completion of this program does not supplant traditional graduation honors (see below). Thus a student may graduate "Bachelor of Science, *magna cum laude,* with Honors in Physics," or "Bachelor of Arts, with Honors in English," or "Bachelor of Science, *summa cum laude.*"

Interested students should consult the chairman of their major department for information.

Special Program For Independent Study

A student who completes his first year of full-time study with a quality point average of at least 3.8, may (with the recommendation of his Faculty adviser) apply for permission to design his own course of study for the remainder of his degree program. Application for the program is made to the College Honors Committee. (The Committee will, under exceptional circumstances, consider applications from students who do not meet the grade average requirement, if they are accompanied by strong recommendations from the Faculty adviser.) If the Committee approves the application, it will appoint a supervising committee

consisting of the Dean of the College and two other members of the Faculty, one of whom must represent a division other than that which includes the student's major interest. The student will work with this committee for the remaining three years of study. If he has completed a typical freshman program, he will not be subject to any other distributive requirements, nor the requirements of any regularly constituted major, except as his supervising committee may direct.

Upperclass students who have a cumulative grade-point average of 3.8 and/or their adviser's recommendation may apply for permission to complete their degree programs under this plan. Transfer students who meet the other requirements for this program may qualify for admission to it after one year's work in residence at Centenary. Full information about the program may be obtained from the Dean of the College.

Graduation Honors

The baccalaureate degree is awarded with special distinction to graduating seniors with cumulative averages of 3.5 or better. Candidates with averages between 3.5 and 3.69 are graduated *cum laude,* those with averages between 3.7 and 3.89 *magna cum laude,* and those with averages 3.9 and above, *summa cum laude.* This is calculated on work done at Centenary College. If a student has transferred from another institution, and on the basis of work done at Centenary would be eligible for graduation honors, the Registrar will compute the overall average of work done at Centenary and elsewhere to determine eligibility for graduation honors.

English Proficiency

In the evaluation of all academic exercises the quality of English used by the student will be considered. Every student in every course is expected to use English that is grammatically correct and logically sound. Failure to meet recognized standards of English composition may result in a lower grade in any course.

Academic Petitions

All academic regulations are formulated by the Faculty to serve the best educational interest of the greatest number of students. Centenary College takes pride in its ability to minister to the individual needs of its students, and its Faculty has therefore established a Committee on Academic Petitions to hear the requests of students for exception to, or waiver of, academic regulations that seem inimical to their academic interest. The present chairman of this Committee is Professor Willard Cooper, chairman of the Department of Art, and petitions should be addressed to him.

Correspondence Credit

Centenary College does not offer correspondence courses, but a limited

amount of elective credit may be earned by correspondence study with accredited colleges and universities. Centenary will accept only those courses which the college or university offering the correspondence study will accept toward its own baccalaureate degree. Neither courses in the student's major field nor courses offered in satisfaction of distributive requirements may be taken by correspondence.

Taking of courses by correspondence for Centenary credit is permitted only by special arrangement with the Dean of the College, and students taking such courses may have to pass a special examination at the Dean's discretion or that of the chairman of the department in which the student is majoring.

Summer Sessions

Students who plan to attend summer school elsewhere and to transfer the credit to Centenary need not have formal permission to do so, but are advised to consult their Faculty advisers and/or department chairmen with regard to the courses proposed. Students are specifically warned that Centenary is reluctant to grant transfer credit for courses taken at junior colleges which are numbered as upper-division courses at Centenary.

Washington Semester Program

Certain selected students are permitted to spend one semester of their junior year at the School of Government and Public Administration of The American University in Washington, D. C. The purposes of the program are to provide an opportunity for students to observe their government in action, to perform individual research under careful supervision, and to exchange ideas with students from many other institutions. Each participating student works on an individual project, selecting three courses to complement his program. Projects and courses are chosen in consultation with the faculty adviser, and full credit for the semester is granted by Centenary. Students interested in this program should consult the Department of History and Government.

Monterrey Summer Session

Students of Centenary are eligible to apply for admission to the summer session at the Instituto Tecnologico in Monterrey, Mexico. Six semester hours (two courses) of college credit may be earned in any level of Spanish, history, economics, sociology, and other subjects. The Instituto is accredited by the Southern Association of Colleges and Schools. Application forms may be obtained from Dr. Leroy Vogel, chairman of the Department of History and Government, who accompanies the students each summer.

VI

COURSES OF INSTRUCTION

Centenary College offers three degree programs, one leading to the Bachelor of Arts, one to the Bachelor of Science, and a third to the Bachelor of Music. B.A. degree programs offered include majors in art, chemistry, economics, English, foreign languages (any major-minor combination of French, German, Latin, and Spanish), French, government, history, mathematics, music, philosophy, psychology, religion, sociology, speech, and theatre. B.S. degrees include those in biology, business, chemistry, elementary education, engineering science, geology, mathematics, physical education, and physics. B.M. degrees include majors in applied music, music education, and composition.

In cooperation with Columbia University, Louisiana Polytechnic University, Texas A & M University, and the University of Arkansas, Centenary offers the "three-two" program in liberal arts and engineering science (known also in the Columbia relationship as the "Combined Plan"). Under this program, students pursue concentrated studies in the liberal arts and sciences at Centenary for three years, followed by two years' professional work at the chosen institution. At the end of the five years of study, the B.A. degree from Centenary and the B.S. degree in engineering at the cooperating institution are simultaneously awarded.

Students interested in the "three-two" program should consult the chairman of the Department of Physics and Engineering Science. Those interested in preparatory work for medical, dental, or other health professions should consult the chairman of the Biology Department. Pre-law students should confer with the chairman of the Department of History and Government; and those considering the pre-theology program in preparation for the ministry or other church vocations should see the chairman of the Department of Religion.

EXPLANATION OF COURSE LISTINGS

On the following pages is a complete listing of the courses offered at Centenary College. In addition, a schedule of classes is published during the semester before each registration period which lists all sections of all courses to be offered during the succeeding session, togther with the hour, day, and place of meeting, and generally the instructor in charge of each section.

Courses are numbered according to the class-year in which each is generally most profitably taken: 100-199 for freshmen, 200-299 for sophomores, 300-399 for juniors, and 400-499 for seniors. This is

not an absolute restriction, but students wishing to take courses numbered higher than their current classifications should see the chairman of the department concerned. Courses with numbers beginning with zero carry no college credit.

Unless otherwise specified in the course description, courses normally offered in the fall semester bear odd numbers, while those offered in the spring semester carry even numbers. Courses with a single number are one semester courses; those with double numbers are year courses.

Courses organized so that the student may enroll in and receive credit for either half, or in either order, have double numbers separated by a comma: 205, 206. Year courses in which the first half is prerequisite to the second have double numbers separated by a hyphen: 205-206. Two-semester courses so closely integrated that both halves must be successfully completed before credit may be received in either have double numbers separated by hyphens and enclosed in parentheses: (205-206).

In the present Catalogue, credit is listed according to the old system of semester hours; where possible, the new course credit is also listed. Students entering the College in 1970 will do well to consult these listings in conjunction with the new graduation requirements listed in the preceding chapter. All student records will be converted to the new system before September, 1971. In the old system, when a course carries three figures relating to credit, the first figure designates the number of lecture hours per week, the second the number of laboratory hours per week, and the third the number of semester hours of credit earned by completion of the course. In subsequent Catalogues the number of lecture and laboratory hours will form part of the course description.

COURSE OFFERINGS BY DEPARTMENTS

ART

Professor Cooper, *Chairman*

Lecturers: Friedenberg, McNamara, Sutton

Major Requirements

The Art Department is an integral part of the liberal arts program, and is not intended to take the place of a professional art school, but rather to furnish a broad background of basic knowledge in order to increase the possibility of full expression. The goal of the department is to give the student sound training in drawing, painting, art history, and technique, and to encourage creative thinking and productivity.

A major in art must take twelve courses in the department, including the following studio courses which should be taken consecutively: 103-104, 203-204, 303-304, and 401-402. The remaining depart-

mental courses are taken in art history (101-102), the graphic arts (301), and materials and techniques (307). In addition, Philosophy 205 (Esthetics) and a foreign language through the intermediate level (202) are required.

01. Ceramic Jewelry **No Credit**
Pouring, glazing, and firing ceramic jewelry and some instruction in the use of a press mold. Offered in the evening division.

101. Survey History of Art **3 Hours (One Course)**
An historical survey of painting, architecture, and sculpture from prehistoric times to the Italian Renaissance.

102. Survey History of Art **3 Hours (One course)**
A history from the Italian Renaissance to the contemporary schools in Europe and the United States.

103-104. Drawing and Composition for Beginners **6 Hours (Two courses)**
Basic training stressing draftsmanship and the elements of picturemaking. Drawing done in black and white, and in color. Outside compositions done for a weekly criticism class. This course, or its equivalent, is prerequisite to all advanced drawing and painting courses. Six studio hours a week.

105-106. Introduction to Art **6 Hours (Two courses)**
A beginner's course for students whose field of concentration lies in other departments and who have had no previous training in art. Not open to art majors or those who have had 103-104. Six studio hours a week.

107. Art Appreciation **3 Hours (One course)**
A non-technical course for the general college student. No credit toward an art major. Arts of the past and present studied in relation to their social and cultural backgrounds.

203-204. Advanced Drawing and Composition **6 Hours (Two courses)**
The essentials are still stressed with more experiments with different media and methods of expression. Outside compositions done for a weekly criticism class. Six studio hours a week.

205-206. Advanced Painting in Water Colors **6 Hours (Two courses)**
Six studio hours a week.

207. Arts and Crafts **3 Hours (One course)**
A development of basic skills in handicrafts, basic concepts, and techniques in art. Especially helpful for the elementary school teacher, but not limited to teachers. Open to anyone, with instructor's approval.

208. Interior Design and Decoration **3 Hours (One course)**
An historical survey of interior design from ancient Egypt to the present day, with special emphasis on the styles and trends of each of the well-known periods. The course is primarily academic, but some laboratory work is required.

209. Commercial Art **3 Hours (One course)**
Offered in the evening division.

301-302. Graphic Arts **6 Hours (Two courses)**
Prerequisite: Art 204 or instructor's approval. A study of the processes involved in the making and printing of etchings, woodcuts, linoleum block prints, and lithographs, with lecture and studio practice. Three hours a week with outside work.

303-304. Painting **6 Hours (Two courses)**
Proficiency in the use of oil paints is regarded as basic, but the student is encouraged to experiment with other media. Outside compositions will be brought in each week. Six studio hours a week.

305. History of American Art **3 Hours (One course)**
The cultural and artistic development of our nation over the last 400 years as expressed in painting, sculpture, architecture, graphic arts, the decorative arts, and city planning.

307. Materials and Techniques **3 Hours (One course)**
Prerequisites: 204 or instructor's approval. A systematic study of the less common methods of painting, including encaustic, polymer, egg-tempera, casein, and plastics, and an examination of the techniques of some of the old masters. Lecture, studio, and outside work.

401-402. Advanced Painting **6 Hours (Two courses)**
During the final year the student is encouraged to develop a personal philosophy of painting. Instruction will depend largely upon the needs and natural inclinations of the individual student. Each student will have a Senior Exhibit of his best work. Outside compositions will be brought in each week. Six studio hours a week.

403. Art Seminar **2 Hours**
Prerequisite: Instructor's approval. A review of the history of art, and the facts and principles which are emphasized in all of the courses required for a major in art. Second semester.

421-422. Independent Study in Art **6 Hours (Two courses)**
Open to qualified art majors. Work may be done in research and reading, or in painting. The student will follow a work plan arrived at in cooperation with the chairman of the department, and must consistently furnish evidence of seriousness of purpose.

BIOLOGY

Professor Deufel, *Chairman*
Professors: Warters, Wilkins
Lecturer: McFarland

Major Requirements

The courses in this department are designed to emphasize the general cultural values of the biological sciences and their applied aspects in relation to man. This program provides a broad background for graduate study in biology or for the numerous professions related to this field. A major must take nine courses (36 semester hours) in biology, of which four must be in courses numbered 300 or above. Biology 101-102 is prerequisite to all other courses in the department. Additional requirements are Mathematics 106 and 201, Chemistry 201-202, and Physics 101-102 and 201-202.

101-102. Principles of Biology **3-3-8 Hours (Two courses)**
A study of the general principles and phenomena common to both plants and animals. The following topics are considered: the cell concept; physical and chemical bases of metabolism; morphology and developmental history of representative plants and animals; patterns of behavior; evolutionary processes and genetic mechanisms; and ecological associations.

201. General Botany **3-3-4 Hours (One course)**
A phylogenetic study of plants from the simpler to the more complex, specialized forms. Comparison of plants through the ages, living and fossil relationships, emphasizing development and reproduction of the plant body.

202. Plant Taxonomy **3-3-4 Hours (One course)**
A course in the identification and classification of plants native to this area or found in local cultivation.

203. Comparative Anatomy **2-6-4 Hours (One course)**
A comparative study of the vertebrate systems and their phylogenetic development. Dissections are made of the shark, mudpuppy, and cat.

204. Embryology **3-3-4 Hours (One course)**
Gametogenesis, fertilization, and early embryonic development of chordates; vertebrate ontogeny as seen in the chick and pig.

210. Introduction to Entomology **3-3-4 Hours (One course)**
A survey of class Insecta with emphasis on the identification and control of insects which affect the health of man, and of those insects which are of economic importance to the South. 1971-72 and alternate years.

217. Human Biology **3-3-4 Hours (One course)**
A study of the nature and function of man. Emphasis is placed on homeostatic regulation in the human body. A basic course designed for students interested in physical education, medical technology, physical therapy, and nursing.

302. Microtechnique **2-6-4 Hours (One course)**
Methods of preparing tissues for microscopic study. 1970-71 and alternate years.

303. Plant Physiology **3-3-4 Hours (One course)**
Prerequisities: Chemistry 101-102. A study of nutrition, growth and reproduction of plants and their physiological response to environmental factors. 1970-71 and alternate years.

304. Invertebrate Zoology **3-3-4 Hours (One course)**
The taxonomy, morphology, physiology, and life histories of the invertebrate animals. 1970-71 and alternate years.

305. Ecology **3-3-4 Hours (One course)**
Prerequisite: Chemistry 101-102. A study of the interrelations of living things with reference to their non-living environment.

306. Microbiology **3-3-4 Hours (One course)**
Prerequisite: Chemistry 101-102. A general survey of microorganisms and their role in nature. The laboratory studies bacterial form and function, as well as practical aspects of food preservation, water purification, and industrial processes. Patterns of diseases in terms of bacteria, fungi, and viruses are considered. 1971-72 and alternate years.

313. Genetics **3-3-4 Hours (One course)**
The fundamental concepts of heredity with consideration given to both modern and classical genetics. Microorganisms, as well as Drosophila, are used in the laboratory to acquaint the student with the procedures and techniques used by the geneticist.

402. General Physiology **3-3-4 Hours (One course)**
Prerequisite: Biology 203, Chemistry 202. Fundamental principles of cellular and organismal physiology. Primary emphasis is given to the interactions among the respiratory, cardiovascular, nervous, and endocrine systems in man. 1970-71 and alternate years.

406. Histology **3-3-4 Hours (One course)**
Prerequisitie: Biology 203 or 217. Microscopic study of the tissues and organs of the human body. 1971-72 and alternate years.

409, 410. Independent Study **3 to 6 Hours (One to two courses)**
Prerequisite: Five courses (20 semester hours) of biology and consent of staff. Special problems in biology designed to introduce the student to research techniques. A written report is required.

CHEMISTRY

Professor Hanson, *Chairman*
Associate Professor: S. A. Taylor
Assistant Professors: Hood, C. B. Lowrey, Seidler

The Chemistry Department offers a program of sufficient flexibility to serve three types of students: (1) those who wish to prepare for a career in chemistry and serve in industry or education; (2) those who expect to use chemistry in other occupations or professions; and (3) those who desire a chemistry course for a broader background in science and an introduction to the scientific method of thought. The Chemistry Department is one of a limited number of departments which are approved by the American Chemical Society for the training of chemists.

Students who are interested in chemistry as a career and who intend to pursue advanced studies should elect the program leading to the Bachelor of Science degree and, in addition, take those courses which meet the standards recommended by the American Chemical Society for professional training in chemistry. Those who do not plan to pursue advanced studies but who are interested in a field where a sound knowledge of chemistry is important should elect the program leading to the Bachelor of Science degree. Students who plan to go into medicine or teaching may desire a less intensive program in chemistry and a greater freedom in electives and, therefore, should elect the program leading to the Bachelor of Arts degree. High school students should note that their success in any of the programs is greatly enhanced if their high school programs include chemistry, physics, and four years of mathematics.

Major Requirements

Bachelor of Science (American Chemical Society Accredited):

Chemistry courses: 101, 102, 201, 204, 215, 351, 352, 421, 422, 426.

Supportive courses: Physics 101, 102, 203; Mathematics 106, 201, 202, 303; one additional course from Physics 212 or Mathematics 305 or higher; a reading knowledge of German.

Bachelor of Science:

Chemistry courses: 101, 102, 201, 204, 215, 351, 352, and two additional courses numbered 300 or above.

Supportive courses: Physics 101, 102, 203; Mathematics 106, 201, 202, 303; one additional course from Physics 212 or Mathematics 305 or higher. A reading knowledge of German is recommended but not required.

Bachelor of Arts:

Chemistry courses: 101, 102, 201, 202, 215, 351, 352.

Supportive courses: Physics 101, 102; Mathematics 106, 201, 202, 303; Foreign Language 101, 102.

Bachelor of Science with Honors in Chemistry:

Meet all requirements for the B. S. (ACS accredited), complete an independent study project which is suitable for publication or presentation at a professional meeting and maintain an overall major grade point average of 3.2 or above.

101-102. General Chemistry **3-3-8 Hours (Two courses)**

First semester: a study of the principles of stoichiometry, chemical thermodynamics, the physical behavior of gases, and an introduction to structure and bonding. Laboratory work includes a study of the techniques employed in chemical investigations with applications to the fundamental principles studied in the lecture.

Second semester: a study of the quantitative aspects of chemical equilibrium. Laboratory work includes selected gravimetric and volumetric analyses, and a study of selected inorganic qualitative analysis methods.

105. Introduction to Chemistry **3-3-4 Hours (One course)**

A study of the unity of the living and non-living aspects of the physical world which provides the background for understanding the problems and implications of our scientific and technological age. Fundamental concepts and principles of chemistry are introduced where necessary for an understanding of the topics discussed.

201-202. Organic Chemistry **3-3-8 Hours (One course)**

A study of the chemistry of organic compounds based on structure, the properties due to functional groups, and the mechanisms by which molecules react. The laboratory is on a semi-micro scale and includes introductory qualitative organic analysis.

204. Organic Chemistry **3-6-5 Hours (One course)**

Prerequisite: Chemistry 102. Course for chemistry majors. Same as Chemistry 202, but with an additional three hours of laboratory which is devoted to macro-scale organic syntheses.

215. Analytical Chemistry **3-6-5 Hours (One course)**

Prerequisites: Chemistry 102, Mathematics 201. An introduction to the theory of analytical separations and a study of the principles and methods of quantitative chemical analysis, with emphasis on the application of equilibrium theory to analytical problems.

351-352. Physical Chemistry **3-3-8 Hours (Two courses)**

Prerequisites: Mathematics 303, and credit for or concurrent registration in Chemistry 215 and Physics 102. First semester includes an introduction to elementary thermodynamics and chemical kinetics. Second semester includes a study of electrochemical systems and an introduction to theories of atomic and molecular structure. Laboratory work includes physiochemical measurements and laboratory experiments which illustrate some of the important principles of physical chemistry.

395. Selected Topics in Chemistry **3 Hours (One course)**

Prerequisite: Consent of instructor based upon adequate preparation in chemistry, mathematics, and physics. A detailed study of an area of chemistry not normally covered in regular chemistry courses. Topics include biochemistry, organic reaction mechanisms, heterocyclic chemistry, nuclear chemistry. May be repeated once for credit when a different topic is studied.

421. Qualitative Organic Analysis **2-6-4 Hours (One course)**

Prerequisite: Chemistry 426. A study of the theory and practice of the separation

of organic mixtures and the application of physical and chemical techniques to the qualitative identification of the components of mixtures.

422. Advanced Inorganic Chemistry **3 Hours (One course)**

Prerequisites: Chemistry 352, Mathematics 303, Physics 203. A study of modern interpretations of structure, bonding, and reactivity of inorganic compounds.

426. Advanced Analytical Chemistry **3-6-5 Hours (One course)**

Prerequisites: Chemistry 352, Mathematics 303, Physics 203. A study of the theory and application of instrumental methods in separation and analysis, emphasizing spectrophotometric, electromechanical, and chromatographic methods.

427. Independent Study **1-6-3 Hours (One course)**

Prerequisite: Consent of the research adviser based upon adequate preparation in chemistry, mathematics, and physics. Research on an assigned problem and a written report of the investigation. May be repeated once for credit.

ECONOMICS AND BUSINESS

Professor Berton, *Chairman*

Professors: Hickey, Pate

Associate Professor: Pearson

Instructor: Smith

Lecturers: Barker, Beard, A. R. Casavant, Cole, Couch, Ivey, Lockridge, Mayo, McPherson, Tillman, Trichel

Economics

Major Requirements

The economics major offers training for the citizen, who to a degree must be an economist in his daily life; for the business man, who must make decisions in the light of economic developments; and for the economist, who is concerned with the manner in which the economic system as a totality operates. The B.A. in economics requires ten courses (30 semester hours) in economics plus Business 203-204. The ten courses must include Economics 201 and 202, which are prerequisite for all 300 and 400 level courses; Economics (301-302) and 329 or 312; and the approval of the course of study by the departmental adviser. Three courses in Business at the 400 level may be taken to satisfy major requirements in Economics, with the approval of the adviser. (Business 203-204 is prerequisite for all 300 and 400 level courses.)

123. Economic History of the U. S. **3 Hours (One course)**

The development of economic activities in the changing U. S. institutional patterns. Fall, 1971.

201. Principles of Economics **3 Hours (One course)**

An introductory study of economic activity with emphasis on national economic problems. Each semester.

202. Principles of Economics **3 Hours (One course)**

Prerequisite: 201. An introductory study of the determination of prices, wages, and value; analysis of the process and principles by which an economy allocates resources. Each semester.

(301-302). Statistics **6 Hours (Two courses)**

Descriptive and inferential. A study of variance, frequency distribution analysis, regression and correlation, index numbers, time series, sampling, probability, tests of significance, and statistical estimation. Yearly.

311. Intermediate Micro-Economic Theory **3 Hours (One course)**
Economic theories of individual and business decision-making and their effects on the production and allocation of economic goods. Fall, 1971.

312. Intermediate Macro-Economic Theory **3 Hours (One course)**
Neoclassical, Keynesian, and modern theories of the determination of aggregate economic activity and their empirical relevance. Spring, 1972.

324. Labor Economics **3 Hours (One course)**
Development of labor movements, collective bargaining, wages and employment, and public policy. Fall, 1970.

326. Public Finance **3 Hours (One course)**
Revenue and expenditure policies of the public sector; the public-private mix in resource allocation and distribution. Spring, 1971.

329. Money and Banking **3 Hours (One course)**
The structure and operation of money and banking institutions, with emphasis on the role of money, banking, and monetary policy in the economic life of the community. Fall, 1970.

402. Growth and Stability **3 Hours (One course)**
Factors determining economic development, with emphasis on the problems of cycles and inflation. Spring, 1972.

410. Managerial Economics **3 Hours (One course)**
Application of the theories of profits, market structure, demand, and costs to decision-making by firms. Fall, 1970.

411. Government and Business **3 Hours (One course)**
The economics of government regulation in the institutional setting of the U. S. and the private enterprise system. Recommended for government, history, and sociology majors. Spring, 1971.

421. Comparative Economic Systems **3 Hours (One course)**
The nature and operations of alternative systems for determining resource allocation and utilization. (Same as Government 421.) Spring, 1971.

440. International Economics **3 Hours (One course)**
International economic institutions and the theory of international trade. Spring, 1971.

460. Seminar in Economics **3 Hours (One course)**
Given on request.

470. Independent Study **1-6 Hours (One or two courses)**
Independent study of economic problems. By invitation only.

I-99. Interim Studies **1-6 Hours (One or two courses)**
Various topics of interest in economics. Offered in the January Interim.

Business

There is general agreement today that the businessman needs training in the liberal arts. Courses in the humanities, in mathematics and natural sciences, and in the social sciences equip the businessman with the analytical ability and the breadth and flexibility of mind necessary to cope with a technological, social, economic, and political environment that changes with bewildering rapidity.

Accordingly, Centenary does not emphasize "training for the first job," because of the danger of concentration on a narrow range of factual knowledge and the development of largely routine skills, none of which may be useful except in certain specific techniques. The

narrower the student's training the less equipped he will be to cope with change and to learn from experience on the job.

In the courses designed to train the student in the area of business, Centenary therefore places emphasis on a broad base of fundamental knowledge and the development of certain basic skills on which the student can build through experience obtained after college. To this end the Business curriculum is built around the quantitative and behavioral sciences. The quantitative area is stressed so that the student will learn the use of quantitative data for decision-making. The behavioral sciences are emphasized so that the student will better understand the behavior patterns of formal organization and the problems which arise when men attempt to achieve common goals.

Major Requirements

For the B.S. in business, the requirement is ten courses (30 semester hours) of business, which must include Business 203-204, Economics (301-302), and Business 321, 323, and 346, plus Principles of Economics 201 and 202. The remaining courses may include any 300-400 level economics courses.

The remainder of the courses required for graduation should be chosen from the following recommended electives and courses to satisfy distributive requirements: humanities—English 304, 305, 342; foreign language; General Education 197, 198; Philosophy 201, 202, 203, 206, 302, 303, 304; science and mathematics—Chemistry 105, Geography 205, Mathematics 106, 123, 201, 202, 203; social science—Government 201, 309, 310; History 313, 314, 321, 322; Psychology 101, 211; Sociology 101, 102, 305; Speech 200, 211.

203. Principles of Accounting **3 Hours (One course)**

Prerequisite: Sophomore standing or consent of instructor. An introductory course intended to familiarize the student with the fundamental principles and methods of preparing and analyzing financial statements. Each semester.

204. Principles of Accounting **3 Hours (One course)**

Prerequisite: Business 203. An introduction to management's uses of accounting data for planning and control. Topics covered include: content and interpretation of the income statement and balance sheet; uses of cost accounting; budgetary planning and control; and internal reports for management. Each semester.

305-306. Intermediate Accounting **6 Hours (Two courses)**

Prerequisite: Business 204 or consent of instructor. An intensive study of basic accounting theory and procedures, with emphasis on balance sheet accounts and their interrelationships with income statement accounts. Yearly.

309. Cost Accounting **3 Hours (One course)**

Prerequisite: Consent of instructor. The objectives and procedures of cost accounting for manufacturing firms. Topics covered include: job order and process cost systems; cost-volume-profit relationships; standard costs and variance analysis; direct costing; relevant costs; and capital budgeting. Fall, 1970.

321. Principles of Management **3 Hours (One course)**

A study of organizational theory, policies, and procedures common to all

institutions charged with the responsibility of achieving a common goal. Fall, 1970.

323. Business Law **3 Hours (One course)**
A study of the legal aspects of business transactions. Introduction to personal property contracts as well as agency, partnership, negotiable instruments, sales and conditional sales contracts, and to the law of commercial paper. Fall, 1970.

328. Human Relations **3 Hours (One course)**
Prerequisite: Business 321. A study of individual, small group, and organizational behavior in the business setting. The problems of motivation and communications are studied in goal-oriented activity. (Same as Psychology 328.) Spring, 1971.

346. Principles of Marketing **3 Hours (One course)**
A study of the distribution of goods and services from producer to consumer. Channels of distribution, marketing functions, institutions, and costs. Spring, 1971.

403. Consumer Analysis and Behavior **3 Hours (One course)**
Prerequisite: Business 346. A study of the motivation of consumer behavior as explained by a multi-discipline approach drawing from the behavioral and social sciences. Fall, 1970.

406. Marketing Policies and Problems **3 Hours (One course)**
Prerequisite: Business 346. An advanced course in marketing problems with emphasis upon markets, distribution channels, product analysis, and pricing policies. Fall, 1971.

407. Advanced Accounting **3 Hours (One course)**
Prerequisite: Business 306. An intensive study of the application of fundamental accounting theory to a number of important fields and activities in business, with extensive use of CPA-type problems. Topics covered include: partnerships; special sales procedures; corporate combinations; an introduction to consolidated financial statements; and actuarial science. Spring, 1971.

408. Quantitative Decision-Making **3 Hours (One course)**
Prerequisite: Economics (301-302). A study of the development and use of quantitative analytical techniques in decision-making. Offered on demand.

409. Auditing **3 Hours (One course)**
Prerequisite: Business 306. A study of auditing theory and procedures; special investigations; and the principal kinds of audits, working papers, and reports. Fall, 1970.

412. Income Tax Accounting **3 Hours (One course)**
The Internal Revenue Code and problems of the preparation of tax returns are studied as they relate to the individual. Emphasis on determination of income and statutory deductions in arriving at the net taxable income. Fall, 1970.

413. CPA Problems **3 Hours (One course)**
A study of questions and problems given by the American Institute of Accountants in the semi-annual CPA Examinations. Permission of instructor. Given on demand.

414. Research Techniques and Forecasting **3 Hours (One course)**
Prerequisite: Economics (301-302). The formulation of the problem, data sources and data problems, formulation of the hypothesis, and basic research design and techniques. Fall, 1970.

425. Business Finance **3 Hours (One course)**
A study of the channels for obtaining capital for corporate promotion, expansion, and reorganization; financial management analysis. Fall, 1970.

426. Investments **3 Hours (One course)**
A study of the principles and problems determining sound investment policy. Spring, 1971.

461. Seminar in Business **3 Hours (One course)**

471. Independent Study **1-6 Hours (One or two courses)**
A reading and research course open to seniors by invitation.

I-99. Interim Studies **1-6 Hours (One or two courses)**
Topics of interest in the study of business. Subject varies from year to year. Offered in the January Interim.

Evening Division Courses

Courses are offered on demand. Prerequisite for credit: Approval of instructor.

301. Real Estate Principles **3 Hours (One course)**
A survey course dealing with the fundamental branches of real estate, including advertising, selling, financing, building, construction, building management, and settlement. Offered in cooperation with the Shreveport-Bossier Board of Realtors.

310. Intermediate Cost Accounting **3 Hours (One course)**
Advanced process cost procedures; "expected" and "basic" cost systems; special procedures for accounting for avoidable and unavoidable spoilage; fundamentals of direct costing.

320. Personnel Management **3 Hours (One course)**
A survey of the organization and administration of personnel departments, education and training policies, wage policies, and the maintenance of good industrial relations.

322. Small Business Operations **3 Hours (One course)**
Organization and operation of a small business, including capital and credit, and managerial problems.

324. Business Law **3 Hours (One course)**
Prerequisite: Business 323. A continuation of 323 for those intending to take the CPA Examinations.

343. Salesmanship **3 Hours (One course)**
Techniques of selling from the point of view of both buyer and seller.

EDUCATION AND PSYCHOLOGY

Professor Gwin, *Chairman*
Professor: Hickey
Associate Professor: Garner
Assistant Professors: Hallquist and Stringfellow
Instructors: C. Casavant, Dulle
Lecturers: Hayes, Locke, Riser, Stockard

Education

The department has responsibility for the teacher-education curriculum of the College, and it also provides elective courses in education for those interested. Its goal is to produce teachers who are professionally prepared, rich in the liberal arts, knowledgeable in the issues of democracy, and strong morally.

All students enroll in the tutorial and clinical program, and not in formal courses in professional teacher education. In the Clinical-Tutorial Program (the first of its kind in any liberal arts college), the

student works with a tutorial professor in an individualized schedule of readings, seminars, lectures, and independent study in the theory of education. Practice is gained by the students in concurrent clinical experiences in a variety of local schools and agencies. The students are taken through a carefully planned sequence of observing, aiding, and substituting for master teachers. These master teachers are employed by the local schools and they hold appointments as lecturers in education at Centenary College. Students are supervised by both tutorial professors and the master teachers throughout the last two years of the program.

The teacher-education program meets the requirements for teacher certification in Louisiana. Candidates for teaching certificates in the state must fulfill the requirements for elementary or high school certification. The student teaching required for certification is done in schools in this geographical area. The department provides a Teacher Placement Bureau for all who are registered in the program.

College graduates who wish to become certified teachers, or any other teacher education student not already admitted to the College who wishes to have credentials evaluated, must pay a fee of $15.00 for this service. Payment of this fee also entitles the student to be listed with the Centenary Teacher Placement Bureau.

Major Requirements

A major in education is available only to students intending to teach in the elementary school. Students proposing to teach on the secondary level must complete the major requirements of another discipline, and complete the requirements for certification. For the B. S. in elementary education, the student must complete Education 211, 212, 331-332, 431-432, and Psychology 211. In addition to courses meeting distributive requirements, elementary education majors must complete English 205, Art 207, Mathematics 100 or 115, Speech 101, Geography 205, History 207, Physical Education 239 and 321, 424, or 221, Music 121, and Education 411.

Secondary teacher candidates must, in addition to completion of distributive requirements and those of a departmental major, complete Education 211-212, 341-342, 441-442, and Psychology 211.

The general requirements for teacher certification are as follows: four courses (12 semester hours) in English; three courses (12 semester hours) of laboratory science (of which at least four s.h. must be in biological science and at least four s.h. in a physical science); two courses (six s.h.) in mathematics; four courses (12 s.h.) of social studies, which must include one course in American history; and four s.h. (one cumulative course-credit) of physical education activity courses.

Administrative Requirements

All students planning to certify as teachers must by the end of the sophomore year petition the selective admissions committee of the Teacher Education Advisory Council for acceptance into the Department of Education. They must meet certain requirements of grade average, oral and written communication, health, and appearance as determined by the admissions committee. An "area of concentration" in academic subjects is encouraged for elementary education majors.

211-212. Sophomore Tutorials in Education 6 Hours (Two courses)
An investigation of the history of education and the social and philosophical foundations of education. The role and relevance of psychology in the learning process. Participation in a series of observations in a variety of school and community-agency learning situations. An individualized schedule of readings and seminars. Yearly.

331-332. Junior Tutorials in Elementary Education 6 Hours (Two courses)
Prerequisites: Education 211-212. Psychology 211, and acceptance by TEAC admissions committee. A study of materials, methods, and problems of teaching and learning in the elementary school. Planned participation in elementary school classrooms as a teacher's aide. An individualized schedule of readings and seminars. Yearly.

341-342. Junior Tutorials in Secondary Education 4 Hours (Two courses)
Prerequisites: Education 211-212, Psychology 211, and acceptance by TEAC admissions committee. A study of materials, methods, and problems of teaching and learning in the secondary school. Planned participation in secondary school classrooms as a teacher's aide. An individualized schedule of readings and seminars. Yearly.

351-352. Junior Tutorials in Early Childhood Education 6 Hours (Two courses)
A study of the understanding of the social, emotional, and intellectual needs of the kindergarten child as these relate to curriculum, equipment, teaching aids, and teaching procedures. Participation in kindergarten classrooms will supplement classroom activities.

411. Teaching of Reading in the Elementary School 3 Hours (One course)
The values, material, and techniques of a developmental reading program, with coverage of professional literature in the field of reading. Each semester.

431. Senior Tutorials in Elementary Education 4 Hours (One course)
Prerequisites: 331-332. Intensive practice teaching under the supervision of a master teacher and College Faculty.

432. Senior Tutorials in Elementary Education 3 Hours (One course)
Prerequisites: 331-332. Internship under the supervision of school personnel and College Faculty.

441. Senior Tutorials in Secondary Education 4 Hours (One course)
Prerequisites: 341-342. Intensive practice teaching under the supervision of a master teacher and College Faculty.

442. Senior Tutorials in Secondary Education 3 Hours (One course)
Prerequisites: 341-342. Internship under the supervision of school personnel and College Faculty.

451. Senior Tutorials in Teaching in Early Childhood Education 3 Hours (One course)
Prerequisites: 351-352. Observation and practice teaching in the kindergarten.

Psychology

Major Requirements

Within the framework of natural science, psychologists attempt to understand human behavior by discovering functional relationships between behavior and conditions in the environment and in the organism. The psychology major requires ten courses in psychology as approved by the adviser.

101. General Psychology **3 Hours (One course)**
Introduces the study of human behavior in the areas of learning, personality, emotions, motivation, perception, etc. Offered each semester.

203. Statistics for Behavioral Science **3 Hours (One course)**
Prerequisite: Mathematics 101 or higher. The logic and application of standard statistical tests in the analysis of data. Topics include: descriptive statistics, statistical inference, correlation, T-test, and simple analysis of variance. (Same as Sociology 203). Offered yearly.

211. Human Growth and Development **3 Hours (One course)**
A study of the various aspects of human development from conception to age 21. Individual reading assignments concentrated in the particular age level of interest to the student. Presentations, reports, and demonstrations of typical behavior of selected age groups are required of each student. Offered each semester.

221. The Exceptional Child **3 Hours (One course)**
Emphasis on the processes which contribute to personality. Study of gifted, retarded, emotionally disturbed children; learning disabilities, hard-of-hearing, visually handicapped, culturally deprived, and other disabilities that require special services.

305. Social Psychology **3 Hours (One course)**
Prerequisites: Psychology 101 or Sociology 101. A study of the nature of social behavior; a psychological and social analysis of society and social institutions and their influence on the behavior of individuals. (Same as Sociology 305.) Offered yearly.

311. Physiological Psychology **3 Hours (One course)**
A study of the physiological correlates of behavior. Special emphasis on the nervous system. Offered Fall, 1971, and alternate years.

312. Introduction to Psychological Tests **3 Hours (One course)**
Prerequisite: Psychology 203. A study of the theories underlying psychological tests and scales, and of the interpretation and use of the data which they yield.

321. Experimental Psychology I **3 Hours (One course)**
Prerequisite: Psychology 203. A study and use of the methods of experimental approach in the study of learning and motivation. Yearly.

322. Experimental Psychology II **3 Hours (One course)**
Prerequisites: Psychology 203 and 321. Examination of experimental evidence relating to the senses and the organization of sensory experience. A series of experiments in this area. Yearly.

328. Human Relations **3 Hours (One course)**
A study of individual, small group, and organizational behavior in the business setting. Problems of motivation and communication are studied in goal-oriented activity. (Same as Business 328.) Yearly.

411. History and Systems of Psychology **3 Hours (One course)**
Prerequisite: Psychology 101 or permission of the instructor. A study of some

of the important approaches to the study of psychology, both historical and contemporary. Offered in alternate years.

421. Abnormal Psychology **3 Hours (One course)**

Prerequisite: Psychology 101 or permission of the instructor. A study of the major syndromes of behavioral disorders.

422. Theories of Personality **3 Hours (One course)**

Prerequisite: Psychology 101 or permission of the instructor. A study of selected research and theories in the field of personality.

430. Independent Study **1-6 Hours (One or two courses)**

Prerequisite: Approval of the department.

ENGLISH

Professor L. Morgan, *Chairman*

Professors: Guerin, Labor, Marsh

Assistant Professors: Gallagher, Girlinghouse, J. Jones, M. Jones

Instructor: Oliver

Professor Emeritus: Clark

The purpose of courses in English is to develop skill in written communication and to develop critical judgment and appreciation of the work of major writers in relation to their socal and intellectual background. The department prepares its majors for teaching in secondary schools, for admission to graduate schools, and especially for those professions and vocations where liberal training and language competency are the principal requisites.

Major Requirements

For a B.A. in English, a student must fulfill the College requirements for a degree, including within them the following:

1. Credit for English 101;
2. Art 101 or 102, and Music 143 or 144;
3. Credit through the intermediate level of a foreign language;
4. Nine courses in English, beyond 101, including at least one course from each of the following groups: Medieval (321, 408); Renaissance (309, 310, 316, 402); Restoration and Eighteenth Century (317, 318, 330); Nineteenth Century (303, 304, 330); American (305, 306, 405); Elective (307, 315, 342, 406, 407).

Prerequisite for all courses numbered 300 and above: consent of the instructor. Majors expecting to be certified to teach at the secondary school level must take English 307 or 342.

101. Expository Writing **3 Hours (One course)**

A course in the principles of expository prose, with emphasis upon reading and upon writing clear, logical, and correct prose in assigned themes. Required of all students unless exempted by examination. Offered each semester.

102. Introduction to Literature **3 Hours (One course)**

Prerequisite: English 101. An introduction to representative types of fiction, drama, and poetry, with continuing emphasis on writing. Offered each semester.

201. Seminars in Literature **3 Hours (One course)**
Prerequisites: English 101 and 102 or the equivalent. Courses in which each class section deals with a different topic (e.g., satire, myth and archetype, the literature of social protest, tragedy, comedy, literature of the absurd, etc.) Selections are studied as esthetic creations and as illustrations of the topic under consideration. Readings cut across genres and national literatures. Topics change from semester to semester. May be elected for up to nine hours (three courses) credit, but individual topics may not be repeated. Offered each semester.

205. Children's Literature **3 Hours (One course)**
A survey of children's literature through the ages, with special attention to developing a love of reading and a knowledge of genres and motifs and to related literary matters like vocabulary-building, knowledge of other cultures, and, where appropriate, history and biography. Open only to students who are candidates for certification in elementary education. Offered each semester.

303. Romantic Poetry and Prose **3 Hours (One course)**
A detailed study of the major Romantic poets and of selected prose works which set forth the critical and esthetic standards of the Romantic movement. Fall, 1971, and alternate years.

304. The Victorian Period **3 Hours (One course)**
A study of representative Victorian writers, exclusive of the novel. Spring, 1971, and alternate years.

305. Survey of American Literature, 1630-1870 **3 Hours (One course)**
A survey of American writing from colonial times to about 1870. Yearly.

306. Survey of American Literature, 1870 to the Present **3 Hours (One course)**
A survey of American writing from about 1870 to the present, with attention to recent trends in the development of American literature. Yearly.

307. History of the English Language **3 Hours (One course)**
A survey history of the language and an introduction to linguistics. Particular attention paid to phonology, morphology, and syntax. Fall, 1970, and alternate years.

309. Shakespeare: Plays and Sonnets **3 Hours (One course)**
A study in depth of eleven plays and the sonnets. The arrangement is basically chronological, and examples of histories, comedies, and tragedies are included. Fall, 1971, and alternate years.

310. Shakespeare: Plays and Poems **3 Hours (One course)**
A study of eleven plays not included in English 309, and of "Venus and Adonis" and other poems. Spring, 1971, and alternate years.

315. Modern British Literature **3 Hours (One course)**
A study of significant British writers from the late nineteenth century to the present. Fall, 1971, and alternate years.

316. The English Renaissance **3 Hours (One course)**
A study of English literature of the late fifteenth to mid-seventeenth century, exclusive of Shakespeare and Milton. Special attention is given to Spenser, Sidney, Bacon, Browne, Burton, Jonson, and Donne. Spring, 1972, and alternate years.

317. The Age of Dryden and Pope **3 Hours (One course)**
A study of the representative literature of 1660 to 1774, exclusive of the novel. Fall, 1971, and alternate years.

318. The Age of Johnson **3 Hours (One course)**
A study of the representative literature of 1744 to 1798, exclusive of the novel. Spring, 1971, and alternate years.

321. Pre-Renaissance Classics in Translation **3 Hours (One course)**
A critical and historical study of representative Greek and Roman epic and lyric poetry and of drama, and of the medieval synthesis exemplified by Dante. Emphasis is both on the literary value of the works and on their relevance to the American-British cultural tradition. Fall, 1970, and alternate years.

330. The English Novel in the 18th and 19th Centuries **3 Hours (One course)**
A study of the English novel from its beginnings in the 18th century through the 19th century, with particular attention to historical and artistic influences. Spring, 1972, and alternate years.

342. Advanced English Grammar and Composition **3 Hours (One course)**
A descriptive study of the structural logic and idiom of the English sentence and of the creation of precise, functional composition. Spring, 1972, and alternate years.

400. Chaucer **3 Hours (One course)**
A study of the major poems, with chief emphasis upon *The Canterbury Tales.* Spring, 1972, and alternate years.

402. Milton **3 Hours (One course)**
A study of the poetry and of typical prose, with emphasis upon *Paradise Lost, Samson Agonistes,* and the minor poems. Spring, 1972, and alternate years.

405. Studies in Representative American Writers **3 Hours (One course)**
Intensive readings in major writers who represent significant trends in the development of American literature. Considerable work in bibliography and research, with presentation of individual papers. Fall, 1970, and alternate years.

406. Literary Criticism **3 Hours (One course)**
A study of the background and development of modern literary criticism, with particular emphasis upon its development after Coleridge. The influences of literary theory, the various critical theories of this century, and the problems of practical criticism are the concerns of lectures, class discussions, and papers. Spring, 1971, and alternate years.

407. Independent Study **3 Hours (One course)**
Prerequisites: Senior standing and permission of the chairman of the department. Either semester of senior year. The writing of a thesis and an oral examination at the end of the semester are the core of the course. The chairman of the department appoints a committee of not fewer than three Faculty members to guide each student and to conduct the oral examination. Regular class sessions are not required, but the Faculty members arrange seminar discussions when circumstances warrant such meetings. A copy of the thesis is filed in the College Library. Offered each semester.

FOREIGN LANGUAGES

Professor Beck, *Chairman*
Associate Professor: Eason
Assistant Professors: Curbelo, Watts
Instructors: Bissell, Copeland, M. Morgan
Lecturer: Curlin

Major Requirements

For a B.A. in French or Spanish, the student must successfully complete 12 courses in the major language. For the B.A. in Foreign Languages, the student must successfully complete eight courses in the major language, and four in the minor. All three majors require the following

additional courses: four in English; two courses in a physical or biological science with laboratory requirement (both courses to be taken in the same science: i.e., a one-year course); one course in fine arts (e.g., Fine Arts Survey, History of Art, etc.); and one course in religion (either 201 or 202).

Study of one or more foreign languages will introduce the student to the accumulated culture and experience of the human race, show him the continuation of the present from the past, and provide him with some understanding of the world he lives in. It also provides him with a better sense of the structure of language, particularly his own, and of the way in which language reflects and embodies culture.

If the student plans to be a translator, he needs to acquire a thorough reading knowledge of the language of his choice. If he plans to enter the diplomatic service or be an interpreter, he will need also to master the spoken language. If he plans to prepare to do clerical work involving foreign correspondence as a commercial attache, a secret service employee, or a foreign trade expert, he will need to acquire skill in both speaking and writing the language of the countries in which he is interested.

All students who plan to proceed from the baccalaureate degree into graduate study should be aware that most graduate schools require evidence of a reading knowledge of at least one, and sometimes two, modern foreign languages.

Entering students who have had at least two years of a foreign language may, after consultation with the Department of Foreign Languages, enter the study of the same foreign language in college at the intermediate level.

French

(101-102). Elementary French **3-2-8 Hours (Two courses)**
Oral practice and pronunciation, elementary composition, reading and grammar.

201-202. Intermediate French **6 Hours (Two courses)**
Prerequisite: French (101-102). More difficult reading, composition and literature.

203-204. Advanced Grammar and Intermediate Conversation **3-2-8 Hours (Two courses)**
Prerequisite: French (101-102). Strongly urged for all French majors and those planning to teach in secondary schools. Not to be substituted in any case for 201-202. Laboratory work and instruction via the oral method. More complex grammatical constructions, idiom drills, compositions, and phonetics.

301-302. A Survey in French Literature **6 Hours (Two courses)**
Prerequisite: French 201-202. Required for French majors. Studies in texts from the Chansons de Gestes down to the present day.

303. Modern and Contemporary Drama **3 Hours (One course)**
Prerequisite: French 201-202. Lecture, outside reading, and study in class from such dramatists as Rostand, Bataille, Pagnol, Giraudoux, Sartre, Salacrou, and Anouilh. Fall, 1970, and alternate years.

304. Contemporary Novel and Short Story **3 Hours (One course)**
Prerequisite: French 201-202. Lecture, outside reading, and study in class of such writers as Gide, Proust, Colette, Mauriac, Romains, Duhamel, Morand, Lacretelle, Ayme, Troyat, Camus, and Boulle. Spring, 1971, and alternate years.

401. Moliere, Corneille, and Racine **3 Hours (One course)**
Prerequisite: French 301-302. Lectures in French, collateral reading, study of their most distinctive plays. Fall, 1970, and alternate years.

402. Voltaire and Rousseau **3 Hours (One course)**
Prerequisite: French 301-302. Lectures in French, collateral reading, study in class of their most representative works. Spring, 1971, and alternate years.

404. The Modern Novel **3 Hours (One course)**
Prerequisite: French 301-302. Lectures in French, study in class of representative works of Stendhal, Balzac, Flaubert, Zola, and France. Spring, 1972, and alternate years.

407. Romantic Novel **3 Hours (One course)**
Prerequisite: French 301-302. Lectures in French, outside reading, and study in class of such writers as Lafayette, Marivaux, Le Sage, Prevost, Saint-Pierre, de Stael, Constant, and Hugo. Fall, 1971, and alternate years.

German

(101-102). Elementary German **3-2-8 Hours (Two courses)**
An audio-lingual approach to basic German speech patterns. Conversation, functional grammar, and reading, supplemented by drill in the language laboratory.

201-202. Intermediate German **6 Hours (Two courses)**
Prerequisite: German (101-102) or equivalent. Continuation of oral-aural practice, integrated with a systematic review of grammar; vocabulary building; and composition. Extensive reading in modern German prose, including some selections representative of modern scientific and technical prose.

301-302. Advanced German **6 Hours (Two courses)**
Prerequisite: German 201-202 or equivalent. Advanced readings reflecting various aspects of literary and cultural life in Germany as a basis for written and oral practice designed to increase the student's command of contemporary German.

401-402. Survey of German Literature **6 Hours (Two courses)**
Prerequisite: German 301-302 or equivalent. Dieser Kurs veranschaulicht die Entwicklung der deutschen Literatur von ihren Anfaengen bis zur Gegenwart. Besondere Betonung liegt bei der Auswahl des Lesestoffes auf den weniger umfangreichen Werken, die in ihrer literarischen Gestalt typische Vertreter der betreffenden Epoche sind.

Latin

(101-102). Elementary Latin **3-2-8 Hours (Two courses)**
An introduction to the fundamentals of Latin grammar and the reading of Latin authors.

201-202. Intermediate Latin **6 Hours (Two courses)**
Designed for freshmen entering with two units of Latin, or those who have had Latin (101-102). Reading from several Latin writers. Systematic review of principles of syntax.

301-302. Advanced Latin **6 Hours (Two courses)**
Prerequisite: Latin 201-202 or three years of high school Latin. Selections from the essays of Cicero, the *Aeneid* of Virgil, and the *Metamorphoses* of Ovid.

407-408. Directed Study **6 Hours (Two courses)**
Prerequisite: Permission of instructor. The drama, poetry, and philosophy of

the Latin writers, with special attention to Plautus and Terence, Livy and Sallust, and Lucretius.

Spanish

(101-102). Elementary Spanish **3-2-8 Hours (Two courses)**
Grammar, reading, composition, and oral practice.

201-202. Intermediate Spanish **6 Hours (Two courses)**
Prerequisite: Spanish (101-102) or two units from high school. Advanced grammar, composition, conversation, and reading of short stories.

203-204. Advanced Grammar and Intermediate Conversational Spanish **3-2-8 Hours (Two courses)**
Prerequisite: Spanish (101-102). Strongly urged for all Spanish majors and those planning to teach in secondary schools. Not to be substituted in any case for 201-202. Laboratory work and instruction via the oral method. More complex grammatical constructions, idiom drill, composition, and intonation patterns.

301-302. A Survey Course in Spanish Literature **6 Hours (Two courses)**
Readings from all periods of Spanish literature.

303-304. Survey of Spanish-American Literature **6 Hours (Two courses)**
Readings in the literature of all periods of Spanish-American literature, as well as a survey of the life and culture of the Spanish-American countries.

401. The Drama of the "Siglo De Oro" **3 Hours (One course)**
Prerequisite: Spanish 301-302. A study of the best plays of Lope de Vega, Calderon, and other great dramatists of the seventeenth century. Fall, 1971, and alternate years.

402. The Modern Drama **3 Hours (One course)**
Prerequisite: Spanish 301-302. The best plays of Jacinto Benavente and other leading dramatists of the nineteenth and twentieth centuries. Spring, 1971, and alternate years.

421. The Early Novel **3 Hours (One course)**
Prerequisite: Spanish 301-302. The Spanish novel of the sixteenth and seventeenth centuries, with particular attention to Cervantes and *Don Quixote*. Fall, 1971, and alternate years.

422. The Modern Novel **3 Hours (One course)**
Prerequisite: Spanish 301-302. The Spanish novel since the seventeenth century. Spring, 1971, and alternate years.

GENERAL EDUCATION

197, 198. Fine Arts Survey **6 Hours (Two courses)**
A course designed to stimulate the esthetic interest of students in art, music, and the theatre; to encourage their intelligent enjoyment; and to suggest criteria for appreciation of these fine arts. Yearly.

402. Great Issues **3 Hours (One course)**
Enrollment is limited to seniors in the year of their candidacy for graduation. An interdivisional course designed to acquaint the student with some of the important issues which should concern the college graduate of today. Two hours of lecture and one of group discussion weekly. Lecturers are outstanding Centenary Faculty members from all the disciplines, and outside speakers of note. The course is required for graduation and must be taken at Centenary College. Offered each semester.

GEOGRAPHY AND GEOLOGY

Professor Hickcox, *Chairman*
Associate Professor: Shaw

Lecturer: Langton

The Geology Department provides training which will fit the student for employment or for graduate study.

Major Requirements

In addition to the courses meeting the College's distributive requirements, a candidate for the B. S. in geology will take 36 semester hours (12 courses) in geology, including the following required courses: Geology 101-102, 111-112, 151, 201, 202, 203, 204, and 252. He must also complete the following courses: Chemistry 101-102, Mathematics 106, Physics 101-102, one course in Engineering Science (3 s.h.), and Speech 200. A summer field camp is encouraged, as is the acquisition of a reading knowledge of a foreign language.

Geography

205. Human Geography **3 Hours (One course)**

The earth's surface from the standpoint of its physical and cultural regions. Emphasis on the distribution of people and on man's changing relations with his habitat.

Geology

101-102. General Geology **3-0-6 Hours**

Prerequisite to all other courses in the department. Introductory lecture course covering physical geology the first semester and historical geology the second semester. Offered yearly.

111-112. General Geology Laboratory **0-6-2 Hours**

A study of common rocks and minerals plus topographic maps the first semester, fossils and geologic maps the second semester. Offered yearly.

151. Regional Geography **3 Hours (One course)**

A brief outline of the geology of the United States by the application of basic geologic principles and with an introduction to its geomorphology. Fall, 1971, and alternate years.

201, 202. Paleontology **2-3-6 Hours (Two courses)**

An introduction to the study of structure, mode of life, distribution, and development of the living forms of past ages. Yearly.

203. Structural Geology **2-3-3 Hours (One course)**

A study of the mechanics of folding, faulting, and other structural features, their geologic effects, and the solution of structural problems. Spring, 1971, and alternate years.

204. Mineralogy **2-3-3 Hours (One course)**

A description of the common minerals of the earth's crust, with identification by physiochemical means. Fall, 1971, and alternate years.

233. Problems in Structural Geology **1-2-2 Hours**

Prerequisite: Geology 203. The application and solution of graphic problems in structural geology as related to studies in petroleum geology.

251. Economic Geology **3 Hours (One course)**

The genesis of ores, the structure and stratigraphy of mineral-producing ores, and the economic aspect of mineral deposits. Fall, 1970, and alternate years.

252. Elementary Petrology **2-3-3 Hours (One course)**

The description and identification of the common rocks in the crust of the earth, and a study of the theories of origin for the different types of rocks. Spring, 1971, and alternate years.

301. Geology of Petroleum **3 Hours (One course)**
A course devoted to the study of the origin, migration, and accumulation of petroleum and of the oil and gas fields in the U. S. in general. Fall, 1970, and alternate years.

302. Geology of the Ark-La-Tex Oil and Gas Fields **3 Hours (One course)**
A detailed study of the various oil and gas fields of the Ark-La-Tex. Spring, 1971, and alternate years.

303. Well Logging **3 Hours (One course)**
A study of the various methods of well-logging and their application to the general field of geology.

401. Sedimentation **3 Hours (One course)**
A discussion and study of the origin and environments of sediments and their lithification. Yearly.

402. Principles of Stratigraphy **3 Hours (One course)**
The principles underlying the study of the stratigraphic units of the earth's crust throughout geologic time. Yearly.

405. Introduction to Geophysical Prospecting **3 Hours (One course)**
Prerequisite: Mathematics 101, 105, or equivalent; Physics 101-102. An introduction to the various methods of geophysical prospecting for petroleum products. Includes the study of magnetic, gravitational, seismic, electrical, and other methods.

421-422. Introduction to Micropaleontology **1-6-6 Hours (Two courses)**
A study of identification of some of the important microfossils of the geologic column and methods of applying these data. 1970-71 and alternate years.

440. Geology Seminar **1 Hour**
Discussion groups on general phases of the whole field of geology and upon the history of science as a whole and of geology in particular.

HEALTH AND PHYSICAL EDUCATION

Assistant Professor Tucker, *Chairman*
Assistant Professors: Little, Sigler
Instructors: Bryant, Schulman, Wallace

The Department of Health and Physical Education offers a program of activity and sports for all students, which includes conditioning exercises, individual and team sports, gymnastics, apparatus work, rhythmic activities, and swimming; a special program for handicapped students which is adapted to their particular needs; an intramural program which is intended to promote competitive experience in sports; and professional preparation of students for careers as teachers of health and physical education, as athletic coaches, and as workers in church, community, and industrial recreation.

Activity courses are open to all students who wish to participate in these carefully supervised activities. Non-majors wishing to take theoretical courses in physical education should seek advice from the department.

Major Requirements

Candidates for the B. S. degree in physical education must meet all teacher certification requirements, and all distributive requirements of

the College; they must in addition complete 12 courses in health and physical education approved by a Faculty adviser. These courses will be chosen from the following: 221, 223, 225, 321, 324, 330, 332 or 334, 333 or 335, 338 or 340, 341, 342, 423, 424, and 428 or 430. They must also satisfactorily complete three courses (12 s.h.) in biology: 101-102 and 217.

101, 102. Freshman Activity for Men **2 Hours (One-half course)**

115, 116. Freshman Activity for Women **2 Hours (One-half course)**

201, 202. Sophomore Coeducational Activity **2 Hours (One-half course)**

Archery and riflery, beginning tennis and badminton, bowling, fencing, folk and square dance, golf, lifesaving, modern dance, swimming.

221. First Aid **2 Hours**

Designed to develop competence in rendering immediate and temporary aid to a victim of accident or sudden illness. Theoretical and practical approach. Covers both standard, advanced, and instructor courses of the American National Red Cross, with certificates granted for satisfactory work. Meets three hours each week. Yearly.

223. History and Principles of Physical Education **3 Hours (One course)**

Prerequisite: Sophomore standing. An introductory course designed to acquaint students with the biological, psychological, and sociological foundations of physical education, and to provide them with historical reference sufficient for intelligent interpretation and evaluation of current practices in the field. Yearly.

225. Intramural Sports Techniques **3 Hours (One course)**

A study of the methods commonly used in organizing and administering a program of intramural sports in public schools. Emphasis is given to classification for competition, rules and regulations, league play statistics, arrangements, and officiating. Yearly.

227. Techniques of Athletic Conditioning and Training **3 Hours (One course)**

Prerequisite: Sophomore standing. A study of the relationship between physical condition and successful participation in sports. Emphasis is given to the selection and administration of exercises, with due regard for the safety and welfare of those concerned, and to the prevention, recognition, care, and treatment of athletic injuries. Yearly.

239. Materials and Methods of P.E. for the Elementary Grades **3 Hours (One course)**

Basic materials in games, stunts, self-testing activities, calisthenics, and rhythms. Emphasis upon procedures for presentation of activities in the elementary school. Each semester.

321. Personal and Community Health **3 Hours (One course)**

A study of factors influencing and determining personal health, and an introduction to methods used in preventing disease in individuals and in communities. Yearly.

324. Kinesiology **3 Hours (One course)**

Prerequisite: Biology 217. A study of the factors influencing bodily movement. Consideration is given to the mechanical and physiological action of joints and muscles. Yearly.

330. Tests and Measurements **3 Hours (One course)**

A study of tests designed to measure health, physical fitness, strength, motor ability, and game skills, and the use of the results of the tests. Yearly.

332. Swimming Techniques **2 Hours**
A course designed to develop basic skills in swimming as well as the ability to aid others in distress in water. Senior life saving and water safety instructor certificates of the American National Red Cross may be obtained. Yearly.

333. Techniques of Coaching Basketball **2 Hours**
A study of the basic offensive and defensive patterns, their strengths and weaknesses. Program organization and administration are included. Alternate years.

334. Folk and Square Dance Techniques **2 Hours**
Theory and practice of folk and square dance. A bibliography of materials and music given. Instruction in teaching and calling dances. Yearly.

335. Techniques of Coaching Football **2 Hours**
A study of the basic offensive and defensive formations, their strengths and weaknesses. Program organization is included, as well as instruction in fundamentals. Alternate years.

338. Techniques of Coaching Baseball **2 Hours**
A study of the fundamentals of baseball. Strategies of all phases of the game are included. Alternate years.

340. Techniques of Coaching Track and Field **2 Hours**
A study of the fundamentals of track and field events, plus practical experience in meet administration. Alternate years.

341. Theory and Practice of Team Sports **3 Hours (One course)**
Analysis of techniques, progression in presentation, practice, lead-up activities, and knowledge of official rules. Yearly.

342. Theory and Practice of Individual Sports **3 Hours (One course)**
A theoretical and practical study of skills adapted for use in secondary schools. Yearly.

423. Administration of Health and Physical Education **3 Hours (One course)**
A study of the principles underlying the organization and administration of programs of health and physical education in modern schools. Yearly.

424. School Health **3 Hours (One course)**
A study of health problems of school children; detection and correction of defects; prevention and control of communicable diseases. Environmental health factors are considered. Yearly.

428. Methods in Teaching Physical Education **3 Hours (One course)**
Prerequisite: Junior standing. A course designed for prospective high school teachers of health and physical education. Spring, 1971, and alternate years.

430. Physiology and Exercise **3 Hours (One course)**
Prerequisite: Biology 217. A study of the reactions of the body functions to exercise. The understanding of the human organism during muscular activity in terms of communication, energy production, and transportation. Spring, 1972, and alternate years.

HISTORY AND GOVERNMENT

Professor Vogel, *Chairman*
Professors: Davidson, W. M. Lowrey, Overdyke
Associate Professors: Hancock, Rainey
Instructor: Loyless

The courses offered by the Department of History and Government are designed to make an essential contribution to a liberal education by providing the general student with a comprehensive and integrated

knowledge of man's history; to provide the training necessary for more advanced study in history and political science; and to provide the practical knowledge of historical and political developments which is an essential part of the preparation of those students expecting to enter the professions of law, government service, politics, and business.

History

Major Requirements

A candidate for the B. A. in history must complete 30 semester hours (ten courses) in history, including History 441, plus six hours in economics and six hours in government. Not less than 30 hours of work in courses numbered 300 and above must be presented for graduation, of which not less than 15 must be in history. Students majoring in history are expected to complete the intermediate level in a foreign language approved by the major adviser.

101, 102. Survey of European History **6 Hours (Two courses)**
A rapid survey for freshman students who wish to familiarize themselves with the background of present-day Europe.

201, 202. History of England and Great Britain **6 Hours (Two courses)**
A general survey of the history of England and the British Empire to the present time.

205, 206. History of the United States **6 Hours (Two courses)**
A comprehensive survey of the major developments in American history from the colonial period to the present.

207. History of Louisiana **3 Hours (One course)**
A rapid survey of French and Spanish colonization; development of the state politically, socially, and economically to the present time.

301, 302. History of the Christian Church **6 Hours (Two courses)**
Same as Religion 301, 302.

307. The Negro in American History **3 Hours (One course)**
Prerequisite: Three hours of American history or American government. A study of the Negro in American life from 1619 to the present.

309-310. History of American Foreign Relations **6 Hours (Two courses)**
Same as Government 309-310.

312. History of the Ante-Bellum South **3 Hours (One course)**
Social and economic characteristics of the deep South, with emphasis on the plantation system. Field trips to adjacent areas.

313-314. Contemporary Europe **6 Hours (Two courses)**
A survey of Europe since 1914, considering two World Wars, events leading to World War II, and problems created by the Atomic Age.

317, 318. Renaissance and Reformation **6 Hours (Two courses)**
A study of the important social, political, economic, and cultural developments in European civilization during the 14th and 15th centuries. The Reformation section covers the 16th century and the first half of the 17th century. (Same as Religion 317, 318.)

321-322. American Intellectual History **6 Hours (Two courses)**
The evolution of American intellectual and cultural life from colonial times to the present, as expressed in political and economic thought, theology, philosophy, and literature, with reference to the interaction between ideas and social structures.

341-342. History of Latin America **6 Hours (Two courses)**
First semester, the development of Spanish and Portuguese America to the wars of independence; second semester, the development of the independent states in the 19th and 20th centuries.

399. Independent Study **3-6 Hours (One or two courses)**
Students taking History Honors will earn credit with Honors in this course. Permission of the department is required.

441. Seminar in History **3 Hours (One course)**
Prerequisite: History major and consent of instructor. A study of various schools of historical scholarship and an introduction to the elements of research.

I-99. Interim Studies **3 Hours (One course)**
Prerequisite: Consent of the department. Various topics to be announced for study during the January Interim.

Government

Major Requirements

A candidate for the B. A. in government must complete 30 semester hours (ten courses) in government, including Government 441, plus six hours in history and six hours in economics. Not less than 30 semester hours of work in courses numbered 300 and above must be presented for graduation, of which not less than 15 must be in government. Students majoring in government are also expected to complete the intermediate level courses in a foreign language approved by the major adviser.

201. American Government **3 Hours (One course)**
Constitutional principles, agencies of the federal government and their relationships to the states, and individual civil rights, citizenship, political subdivisions.

205. Political Theory **3 Hours (One course)**
An introductory study of the writings of a select group of political thinkers from Plato to the present. Fall, 1971, and alternate years.

207. International Relations **3 Hours (One course)**
A survey of current world problems, with emphasis upon world organizations, power politics, international law, geopolitics, and peace organizations.

210. State and Municipal Government **3 Hours (One course)**
A survey of problems, functions, and weaknesses in state and municipal governments with emphasis upon political machines, types of municipal government, local planning, and study of government in Louisiana.

303. Constitutional History of the United States **3 Hours (One course)**
Prerequisite: Junior standing. A study of the development of Constitutional principles and practices in American history.

304. Leading Cases in Constitutional History **3 Hours (One course)**
Prerequisite: Junior standing. Study and analysis of the most important decisions of the United States Supreme Court.

305. The Governments of Europe **3 Hours (One course)**
Prerequisite: Junior standing. Comparative study of cabinet systems of government with emphasis on the development of England, and the theories and functioning of political communism, fascism, and nazism in Europe, including post-war developments. Fall, 1970, and alternate years.

306. Comparative Foreign Policies **3 Hours (One course)**
An introductory study of the traditional aims, conduct, and formation of foreign

policies of the major powers. Spring, 1971, and alternate years.

309-310. History of American Foreign Relations **6 Hours (Two courses)**
A diplomatic history of the American people, with emphasis on the influence of public opinion in determining foreign policy. (Same as History 309-310.)

311. Political Parties **3 Hours (One course)**
A survey of the history, functions, and weaknesses of the political party system in the United States.

313. Urban and Rural Government **3 Hours (One course)**
A survey of the organization, structure, functions, and problems of local governments in the United States and their role in the constitutional system with an analysis of their prospects for the future.

324. International Law **3 Hours (One course)**
A study of the development and foundations of international law; the laws of war, peace, and neutrality; and a study of the laws of treaties with emphasis on law enforcement, state responsibilities, diplomatic immunities, and war crimes.

399. Independent Study **3-6 Hours (One or two courses)**
A maximum of two course credits can be earned. Students taking Government Honors will earn credit with Honors in this course. Permission of the department is required.

421. Comparative Economic Systems **3 Hours (One course)**
Same as Economics 421.

441. Seminar in Government **3 Hours (One course)**
Prerequisite: Government major and consent of instructor. A study of scholarship in government and an introduction to the elements of research.

I-99. Interim Studies in Government **3-6 Hours (One or two courses)**
Prerequisite: Consent of the department. Various topics in government to be announced for study during the January Interim.

MATHEMATICS

Assistant Professor Simmons, *Acting Chairman, 1970-71*
Professor: Carlton (on leave, 1970-71)
Associate Professors: Self, Spears
Assistant Professors: Danvers, Greene, Simmons, Treese

The Department of Mathematics aims to contribute to the student's liberal education by showing the role mathematics has played and is playing in the development of civilization, and by giving him the opportunity to appreciate mathematics for its own esthetic qualities.

It aims particularly to give fundamental training to students in the natural sciences and engineering, and also to those in the social and behavioral sciences. The mathematics program is so planned that a student majoring in the field may choose any one of a number of avenues to follow after graduation, including the teaching profession, work in industry, in computer mathematics, further training toward actuarial work, or the combination of mathematics with other scientific training, as well as graduate work in pure mathematics.

High school mathematics through trigonometry is the suggested background for an incoming freshman, with Mathematics 101 offered only for those students not able to obtain this background before

entering college. Mathematics 101 may not be taken for credit by any student who has had any introduction to the calculus in secondary school.

Major Requirements

Students may receive either a B. A. or B. S. degree with a major in mathematics. For either degree, a minimum of 27 semester hours (nine courses) of mathematics in courses numbered 201 or higher is required. Nine of the 27 hours must be in courses numbered 401 or higher. Of the ten courses numbered 300 or higher for degree requirements, at least four must be taken outside the Department of Mathematics.

Distributive requirements in mathematics may be met by courses numbered 101 or higher.

100. Mathematics for Teachers I **3 Hours (One course)**
(Open for credit only to elementary education majors. Does not satisfy distributive requirements in mathematics.) Logic, sets, the set of counting numbers. Numeration systems. The rational numbers, decimals. The real number system. Fall semester yearly.

101. Algebra and Plane Trigonometry **3 Hours (One course)**
Introduction to set theory. Logical development of the real number system. The notions of variable and function (algebraic, trigonometric, exponential, logarithmic) and their geometric representation. Inverse functions. Equations and identities. Offered each semester.

105. Introduction to Finite Mathematics **3 Hours (One course)**
(Open only to non-science majors.) Statement logic. Elementary theory of sets. Counting problems and probability theory. Vectors and matrices. Applications. Offered each semester.

106. Analytic Geometry and Calculus I **3 Hours (One course)**
Coordinate systems, straight lines, functions, and graphs. Limits, derivatives of algebraic functions, applications of the derivative. Each semester.

115. Mathematics for Teachers II **3 Hours (One course)**
Prerequisite: Mathematics 100 or consent of instructor. Open for credit only to elementary education majors. Topics from number theory, geometry, algebra, and the history of mathematics. Spring semester yearly.

123. Computer Systems **3 Hours (One course)**
Introduction to computer languages, methods, and operations, with particular emphasis on Fortran IV and its application to a variety of problems using the College computer. Each semester.

201. Analytic Geometry and Calculus II **3 Hours (One course)**
Prerequisite: Mathematics 106. The definite and indefinite integral. Derivatives and integrals of exponential, logarithmic, hyperbolic, trigonometric, and inverse trigonometric functions. Techniques in integration, integration by parts. Offered each semester.

202. Analytic Geometry and Calculus III **3 Hours (One course)**
Prerequisite: Mathematics 201. Further applications of the calculus. Basic properties of continuous and differentiable functions. Infinite series. Plane curves and polar coordinates. Offered each semester.

203. Linear Algebra **3 Hours (One course)**
Prerequisite: Mathematics 106. Systems of linear equations, vector spaces, linear

dependence, bases, dimension, linear mappings, matrices, determinants, applications. Yearly.

303. Analytic Geometry and Calculus IV **3 Hours (One course)**
Prerequisite: Mathematics 202. Three-dimensional analytic geometry. Introduction to vector analysis. Differential calculus of several variables. Multiple integration. Line and surface integrals. Offered each semester.

304. Foundations of Geometry **3 Hours (One course)**
Prerequisite: Consent of instructor. Advanced Euclidean geometry, with emphasis on transformation theory. Topics from ordered geometry, affine geometry, absolute geometry, non-Euclidean geometry, and n-dimensional geometry. Yearly.

305. Mathematical Statistics **3 Hours (One course)**
Prerequisite: Mathematics 201. Probability, sample spaces. Mathematical models, testing hypotheses. Empirical and theoretical frequency functions. Correlation and regression. Testing goodness of fit. Yearly.

306. Modern Algebra **3 Hours (One course)**
Prerequisite: Mathematics 201. Basic properties of groups, rings, fields, and morphisms. Yearly.

307. Differential Equations **3 Hours (One course)**
Prerequisite: Mathematics 303. Common types of ordinary differential equations, especially of the first and second order. Problems which lead to differential equations and the standard methods of their solution. Yearly.

403. Topology **3 Hours (One course)**
Prerequisite: Mathematics 303. A survey of fundamental properties of topological spaces with particular emphasis on the real number system. Connectedness, compactness, continuous mapping, homeomorphism, metric spaces. Fall, 1971, and alternate years.

404. Vector Analysis **3 Hours (One course)**
Prerequisite: Mathematics 303. A basic course in vectors. Topics include vector and scalar products, vector equations, and vector calculus. Applications from differential geometry and physics. Curvature, torsion, and Gaussian curvature. Yearly.

405. Numerical Analysis **3 Hours (One course)**
Prerequisites: Mathematics 123, 203, 307. Numerical differentiation and integration. Solutions of numerical equations. Numerical solutions of ordinary and partial differential equations. Various methods of interpolation. Yearly.

407. Introductory Real Variable Theory I **3 Hours (One course)**
Prerequisite: Mathematics 303. Real and complex systems, sets, metric spaces, continuity and differentiation. Fall, 1970, and alternate years.

408. Introductory Real Variable Theory II **3 Hours (One course)**
Prerequisite: Mathematics 407. Riemann-Stieltjes integral, sequences and series of numbers and functions. Spring, 1971, and alternate years.

410. Independent Study in Mathematics **1-6 Hours (One or two courses)**
Open to advanced students in mathematics with departmental approval. One hour conference per week. Library and research work pertinent to the area of study selected. A written thesis is required.

I-99. Interim Studies in Mathematics **1-3 Hours (½-1 course)**
Special topics offered each January Interim.

SCHOOL OF MUSIC

Professor Carroll, *Director*

Associate Professors: Causey, Harlan, Voran

Assistant Professors: Cameron, Dean, Perkins
Adjunct Professor: Teague
Lecturers: C. Carroll, Fernandez, Fisher, Grosman, Hobbs, Kozak, Shenaut, Simpson, Wideman

Degrees

Centenary College offers the B. A. degree with a major in applied music, and the B. M. degree with majors in applied music, music education, and composition. The School of Music is a member of the National Association of Schools of Music; requirements for entrance and for graduation are therefore based upon the published regulations of that Association.

Applied Music

All prospective music majors will be required to audition or submit a tape recording of their major applied music area. Evaluation of this audition will determine whether or not a student will be accepted into the School of Music without condition. Students who meet all admission requirements but fail to meet School of Music standards in applied music will be allowed to register for Music 170 (Applied Music), and may repeat this course for one semester. If minimum applied music standards are attained, the student will then be admitted into the normal applied music course sequence (Music 100 *et seq.*). Arrangements for audition or submission of a tape should be made prior to registration, with the Director of the School of Music.

Credit in applied music for students transferring from other schools will be determined by an audition or a tape recording submitted in advance of registration. Transfer students should also expect to take examinations in music theory and music history to determine whether or not equivalent standards have been met. Until auditions and examinations have been completed and evaluated, music credit for any transfer student will be provisional.

At the end of the sophomore year, all music majors will be expected to qualify in the area of their applied music major before a Faculty jury. The recommendation of the jury will determine whether or not the student continues in the applied music course sequence he has elected.

Music Education

The course in public school music leading to the degree of Bachelor of Music in music education is designed to meet state requirements for teacher certification in the public school systems of Louisiana. All students planning to certify as teachers must by the end of the sophomore year petition the selective admissions committee of the Teacher Education Advisory Council for acceptance into the Department of Education. Interested students should consult with the

Director of the School of Music for details of this particular curriculum.

Piano Proficiency

All music majors will be expected to demonstrate an adequate proficiency in piano. This proficiency test will include sight reading, accompanying, and performing at a reasonable level determined by the School of Music, and will normally take place during the second semester of the sophomore year.

Minimum Course Requirements

Certain minimum course requirements in music must be met in all music major programs. These courses are: Music 100, 200, 300, 400; 111-112, 211-212; 141-142, 341-342, 441; 001-002 (recital attendance); and ensemble for each semester in which the student is registered in the College.

Additional requirements are determined by the specific degree program and applied music major selected by the student. Interested students and prospective majors should consult early with the Director of the School of Music for course plans fitting specific majors.

Ensemble

All students except those electing the B. M. (Instrumental) in music education, are required to participate in an ensemble (Music 151, 153, 155, or 157) for each semester in which they are enrolled at Centenary.

001-002. Recital Attendance **No Credit**

Required of all music majors for each semester in which they are registered at Centenary.

107-108. Diction for Singers **2 Hours**

Survey of pronunciation of Italian, French, German, and English. International phonetic alphabet used. Required of voice majors. 1971-72 and alternate years.

111-112. Elementary Music Theory **8 Hours**

An integrated study of theory. Part writing, keyboard, sight singing, and ear training are presented concurrently in order to make the student aware of the relationships between these elements. Small formal units are included. Required of all music majors.

121. Music Education **3 Hours (One course)**

Theory of music and elementary music teaching methods for the general classroom teacher. Not for music majors.

129-130. Piano Class **4 Hours**

For non-keyboard music majors working to pass the piano proficiency examination, and for electives. Two class hours and six practice hours weekly.

141-142. Introduction to Music History and Literature **4 Hours**

An introduction to the principal styles, composers, forms, and media found in the standard repertoire. Required of all music majors.

143-144. Music Appreciation **6 Hours (Two courses)**

A cultural course for the general college student. Survey of the principal musical styles and media. Not for music majors.

211-212. Advanced Music Theory **8 Hours**

Prerequisites: Music 111-112. A continuation of Music 111-112, with emphasis

on modulation, altered chords, formal structures, and some contemporary techniques. Required of all music majors.

213. Analysis of Musical Forms **3 Hours**

Prerequisites: Music 111-112. A study of musical design in the larger homophonic forms of the common-practice period, together with analysis of contrapuntal procedures and free approaches to musical form. In addition, there is investigation into some 20th century applications of musical design.

214. Counterpoint **3 Hours**

Prerequisites: Music 211-212. A study of 18th century contrapuntal techniques through composition and analysis.

229-230. Piano Class **4 Hours**

Continuation of Music 129-130. Piano proficiency examination is the final examination for Music 230. Two class hours, six hours practice weekly.

309-310. Composition **2 Hours**

Prerequisites: Music 211-212. Basic techniques of composition. Writing in smaller forms. 1970-71 and alternate years.

315-316. Accompanying and Improvisation **4 Hours**

The art of accompanying on the organ and the adapting of other scores to the organ. Develops fluency in improvisation at the organ by using basic keyboard skills, basic forms, and modulations. 1971-72 and alternate years.

321. Music Education **1 Hour**

Prerequisite: Acceptance by TEAC admissions committee. Methods of teaching music in the public schools.

325-326. Conducting, Instrumental **2 Hours**

Band and orchestral conducting, score reading, and baton technique.

327-328. Conducting, Choral **2 Hours**

Choral conducting, score reading, and application of choral methods.

331. Percussion Class **2 Hours**

Spring, 1972, and alternate years.

333. String Class **2 Hours**

Spring, 1971, and alternate years.

334. Piano Teaching Methods **2 Hours**

Survey of piano pedagogy with review of various methods and approaches to the teaching of piano.

335. Brass Class **2 Hours**

Study of the principles of brass instruments. Fall, 1970, and alternate years.

337. Woodwind Class **2 Hours**

Study of the principles of woodwind instruments. Fall, 1971, and alternate years.

339-340. Voice Class **2 Hours**

Fundamentals of voice production. For non-voice majors, and for electives.

341-342. Music History **6 Hours**

Prerequisites: Music 141-142 or consent of instructor. First semester: history of music through the Renaissance. Second semester: history of music from the Renaissance through the 18th century.

347-348. Choral Teaching Methods **4 Hours**

Prerequisite: Acceptance by TEAC admissions committee. Methods, materials, and techniques for music education majors preparing to teach school vocal music.

411-412. Orchestration **4 Hours**

Scoring and analysis of scores for orchestra and band.

421. Elementary Student Teaching **2 Hours**

Directed teaching in the public schools.

423. High School Student Teaching **2 Hours**
Directed teaching at the high school level in the public schools.

437-438. Instrumental Methods **4 Hours**
Prerequisite: Acceptance by TEAC admissions committee. Training, management, and study of the literature, of the school band and orchestra.

441-442. Music History **6 Hours**
Prerequisites: Music 341-342. First semester deals with the history of music from the end of the 18th century to the present. Second semester is a seminar in music, theoretical and historical, involving intensive studies in various musical topics (normally two or three different ones each semester). Second semester may be repeated for three hours credit.

444. Church Music **3 Hours**
Prerequisites: Music 341-342, 441. A historical survey of religious music.

Applied Music: Private Instruction

170. Private Applied **1-3 Hours**
Half hour or one hour lesson with from five to 15 practice hours weekly. For minor instrument, voice, or non-major elective. Also may be recommended for entering freshmen who are deficient in their major applied area. May be repeated for additional credit.

100. Major Private Applied **2-3 Hours**
Freshman applied music. One hour private lesson weekly with 10-15 hours of practice.

200. Major Private Applied **2-3 Hours**
Sophomore applied music. One hour private lesson weekly with 10-15 hours of practice.

300. Major Private Applied **2-3 Hours**
Junior applied music. One hour private lesson weekly with 10-15 hours of practice.

400. Major Private Applied **2-3 Hours**
Senior applied music. One hour private lesson weekly with 10-15 hours of practice. In some degree programs, a full recital is required during the senior year.

Ensemble

151. Band **1 Hour**
153. Choir **1 Hour**
155. Orchestra **1 Hour**
157. Ensemble **1 Hour**
Vocal and instrumental ensemble, directed accompanying, and Opera Workshop.
Note: For students who are not music majors, the Ensemble courses carry one-half course credit accumulated when any two are successfully completed.

PHILOSOPHY

Associate Professor Cox, *Chairman*
Assistant Professor: Beaird

The courses in philosophy are designed to acquaint the student with systems of thought about life and reality, and to help him understand the function of intelligence in life. To this end the department provides courses in problem areas contributing to other academic disciplines and the general liberal arts program of the College, and a major in preparation for professional or graduate work. Although in general all the

courses are designed for students who have attained sophomore or higher standing, exceptions may be made by the instructor for students with particular abilities. Philosophy 201 is not considered a necessary prerequisite for other courses.

Major Requirements

A philosophy major is required to take 30 semester hours (ten courses) in philosophy, including 202, 203, 301, 302, and six hours (two courses) at the 400 level. The approval of the entire course of study by a departmental adviser is also necessary. Six hours (two courses) at the intermediate level of a departmentally approved foreign language is required.

201. Introductory Problems in Philosophy **3 Hours (One course)**
An introduction to philosophical method through problems selected from such areas as theory of knowledge and reality, art, ethics, religion, and science. Yearly.

202. Ethics **3 Hours (One course)**
An introduction to the basic concepts and problems of ethics. Ancient and modern theories considered. Yearly.

203. Logic **3 Hours (One course)**
An introduction to the fundamental principles of deductive and inductive reasoning, and in symbolic logic. Yearly.

205. Esthetics **3 Hours (One course)**
A philosophical study of the creative impulse, the art object, and the esthetic experience. Yearly.

206. Philosophy of Science **3 Hours (One course)**
An investigation of the basic problems and presuppositions of scientific method and concept formation. Attention given to differences involved in the physical, biological, and behavioral sciences. Yearly.

301. History of Ancient and Medieval Philosophy **3 Hours (One course)**
An examination of the major philosophical systems from the early Greeks to the 17th century. Yearly.

302. History of Modern Philosophy **3 Hours (One course)**
An examination of the major philosophical systems from the 17th century to the present. Yearly.

303. Philosophy of Religion **3 Hours (One course)**
A study of the problems of religious language and truth, the existence of God, and related religious concepts. Yearly. (Same as Religion 303.)

304. Contemporary Philosophy **3 Hours (One course)**
An examination of the major figures and types of 20th century philosophy. Yearly.

305. Epistemology **3 Hours (One course)**
Prerequisite: Permission of instructor. The study of classical and contemporary issues and theories concerning the problem of knowledge. Fall, 1970, and alternate years.

306. Metaphysics **3 Hours (One course)**
Prerequisite: Permission of instructor. A study of the basic categories of experience and ultimate reality. Alternate years.

307. Philosophy of Eastern Religions **3 Hours (One course)**
An historical study of the fundamental philosophical concepts of near and far eastern religions and ethical systems. Alternate years. (Same as Religion 307.)

401, 402. Seminars **6 Hours (Two courses)**
Prerequisite: Permission of instructor. Group study of historical topics or of

problems, as determined by student interest and need. Study based on student discussion and papers. Offered yearly, or upon demand.

403. Independent Study **3-6 Hours (One or two courses)**

Prerequisite: Permission of instructor. Independent research and writing on a problem of student's choosing with approval and under direction of instructor. Offered yearly, or upon demand.

PHYSICS AND ENGINEERING SCIENCE

Associate Professor Walker, *Acting Chairman*

Professors: Galloway, Parker

Associate Professor: Walker

Instructors: Ludwig, Williams

Lecturer: Moossy

Physics

The physics curriculum is made up of introductory courses designed to familiarize the non-science major with the fundamental concepts of physics; courses designed to give the science major a firm grasp of the principles of classical and modern physics; and advanced courses designed to prepare the physics major with the necessary background in experimental and theoretical physics to meet the demands of graduate study and research.

The detailed requirements for the physics major, as stated below, are currently being revised by the department as a part of the overall curriculum revision initiated by the Faculty in the spring of 1970. For this reason, present and prospective physics majors are urged to work closely with their advisers and the chairman of the department in planning the details of their course programs.

Major Requirements

The B. S. degree with a major in physics requires Physics 202, 204, 212, 302, 312, 321, 322, 412, and 422; Engineering Science 102 or 251; Chemistry 102; and Mathematics 307. Mathematics 404 and 405 are recommended. Physics 331 and 332 may be substituted for Physics 421-422 by those students whose interests lie in astronomy and astrophysics.

The freshman who plans to major in physics should have a high school background in mathematics through trigonometry. In the absence of such preparation, he is strongly advised to take Mathematics 101 or an equivalent course during the summer session prior to the fall semester of his freshman year.

While computer programming is not formally required as a part of the physics major, some competence in computer usage is highly desirable. Physics majors are encouraged to acquaint themselves with the College computer facility and to acquire competence in its use by either formal or informal study.

001-002. Physics Problems I-II **0-1-0 Hours**
A supplement to the required work of Physics 101-102, providing additional practice in setting up and solving problems within the scope of these courses. Yearly.

003-004. Physics Problems III-IV **0-1-0 Hours**
A continuation of Physics 001-002. Problems are within the scope of Physics 203-204. Yearly.

101, 102. Physics I-II **3-0-6 Hours**
Prerequisite: Mathematics 106 or concurrent enrollment therein. The fundamental principles and classic experiments of mechanics, thermophysics, light, and optics, including conditions of equilibrium, translation and rotation of rigid bodies, work, energy, dynamics of liquids and gases, wave motion and sound, kinetic theory, first and second laws of thermodynamics, geometric and physical optics. Yearly.

111-112. General Astronomy **3-0-6 Hours**
A study of the earth as a body in space, the other planets, the moon and other satellites, comets, meteorites, the solar system and its motion, and analysis of light, the sun, the stars, star clusters, gaseous nebulae, the Milky Way, the external galaxies, the structure of the universe. Yearly.

113-114. General Astronomy Laboratory **0-3-2 Hours**
A laboratory course intended for students enrolled in Physics 111-112 who wish to develop experimental skills for collecting and evaluating astronomical data. Planetarium and observatory facilities available in the Shreveport area are used. Yearly.

121-122. Introductory Physics **3-3-8 Hours**
Prerequisite: Mathematics 101 or equivalent. The fundamental concepts of statics and dynamics of rigid bodies, liquids, gases, wave motion, sound, light, electricity, and magnetism. The physical principles are illustrated by the solution of simple problems and appropriate experimental work and demonstrations. This course is not open for credit to any student who is majoring in one of the sciences. Offered on demand.

201-202. Sophomore Physics Laboratory **0-3-2 Hours**
Prerequisites: Physics 101, 102; and Mathematics 201 or concurrent enrollment therein. An introduction to experimental techniques for direct and indirect measurements in the physics laboratory, and to techniques for data reduction, experiment evaluation, and reporting of procedures and results. Experiments illustrate the fundamental principles of mechanics, thermophysics, sound, electricity, magnetism, light, optics, and elementary modern physics. Yearly.

203-204. Physics III-IV **3-0-6 Hours**
Prerequisites: Physics 101 and Mathematics 201. Fundamental principles and classic experiments of electromagnetism and modern physics including fields, potentials, dielectric materials, DC and AC circuits, Maxwell's equations, introductory quantum mechanics and relativity. Yearly.

212. Electronics for Scientists **2-6-4 Hours**
Prerequisites: Consent of instructor and Physics 203 or equivalent. Principles and applications of vacuum tube and solid state electronics, with emphasis on electronic circuitry of research laboratory instrumentation. Electrical measurements, power supplies, amplifier circuits, oscillators, servomechanisms, and high speed switching and timing circuits. Yearly.

301-302. Junior Physics Laboratory **0-3-2 Hours**
Prerequisites: Physics 202 and either 212 or concurrent enrollment therein.

Advanced experimental techniques in the physics laboratory. Students are instructed in the use of machine shop equipment, electronic techniques and precision instrumentation in planning and executing advanced experiments. Experiments are in mechanics, thermophysics, electricity, magnetism, light, optics, and modern physics. Yearly.

311-312. Mechanics **3-0-6 Hours**

Prerequisites: Physics 101, and either Mathematics 307 or concurrent enrollment therein. An advanced study of the principles of statics and dynamics of matter. Topics include free and constrained motion of particles, rigid bodies, and systems of particles, formal methods using equations of Lagrange and Hamilton, and vibrating systems. Yearly.

321. Heat and Thermodynamics **3-0-3 Hours**

Prerequisites: Physics 102, and either Mathematics 303 or concurrent enrollment therein. A study of thermodynamic systems, first, second, and third laws of thermodynamics, entropy, enthalpy, Helmholtz and Gibbs functions and elements of statistical mechanics. Yearly.

322. Light and Optics **3-0-3 Hours**

Prerequisites: Physics 102 and Mathematics 303. A careful treatment of the principles of geometric and physical optics including optical instruments, interference, diffraction, absorption, scattering, dispersion, and polarization. Yearly.

331. Astrophysics: the Solar System **3-0-3 Hours**

Prerequisites: Mathematics 201, and Physics 203 or consent of instructor. Principles of solar system physics including general features and motions of the system, celestial mechanics, observational instruments and techniques, solar structure and atmosphere, the interplanetary medium; planetary interiors, surfaces, and atmosphere; structure and orbits of satellites, meteors, and comets; theories of solar system origin and evolution. Offered on demand.

332. Astrophysics: the Stars **3-0-3 Hours**

Prerequisites: Mathematics 201, and either Physics 203 or consent of instructor. Physics of the stars, including determination of stellar distances, luminosities, colors, temperatures, radii, and masses; stellar spectra and spectral classification; the H-R diagram; stellar interiors and atmosphere; stellar evolution; variable and unusual stars. Offered on demand.

401-402. Senior Physics Laboratory **0-3-2 Hours**

Prerequisites: Physics 302 and consent of instructor. A continuation of Physics 302 with emphasis upon experiments in the general area of modern physics. Experiments are selected by individual consultation with the instructor, with considerable latitude for the pursuit of particular student interests. Topics may include microwaves, nuclear magnetic resonance, X-ray diffraction, crystallography, nuclear spectroscopy. Yearly.

411-412. Electricity and Magnetism **3-0-6 Hours**

Prerequisites: Physics 203, and Mathematics 307 or concurrent enrollment therein. An advanced study of electric and magnetic fields and potentials in free space and in matter, electric and magnetic energies, transient and steady state currents, plasma physics, wave equations, and elementary thermodynamics. Yearly.

421-422 Modern Physics **3-0-6 Hours**

Prerequisites: Physics 204 and Mathematics 307. A detailed treatment of the principles of modern physics illustrating the operation of these principles in the observed behavior of matter. Topics include relativity, quantum mechanics, band theory of solids, and atomic and nuclear physics. Yearly.

431-432. Atomic and Nuclear Physics **3-0-6 Hours**
Prerequisite: 421 or concurrent enrollment therein. The principles of atomic and nuclear physics with emphasis on the properties of atoms and nuclei. Topics include atomic structure and spectra, fundamental particles, nuclear structure, atomic and nuclear radiations, conservation laws, scattering and high energy processes. Offered on demand.

Engineering Science

The general objectives of the engineering science program are to provide technical training for those students interested in general engineering; to provide laboratory and technical experience for teachers interested in industrial and scientific subjects taught in the public schools; to provide practical knowledge of industrial and economic materials; and to contribute to general education through study of skills, materials, and practices of modern industry.

The curriculum aims to give the student the fundamentals in the scientific and cultural fields that are essential in the application of principles and skills in modern industry, and to help students prepare themselves for professional engineering school and graduate school.

Professor Parker or the department chairman should be consulted concerning the "three-two" program.

Major Requirements

The B. S. in engineering science requires Engineering Science 100, 101, 251, 252, 301, 404; Chemistry 101-102; Mathematics 106, 201, 202, 303, 307; Physics 101-102, 201-202, 203-204, 301-302, 311-312, 321, in addition to the College distributive requirements.

100. Engineering Orientation **1-1-1 Hours**
Engineering as a profession, its attractions and professional responsibilities, the student's approach to his chosen field of engineering or architecture, the application of the slide rule in solution of engineering problems. Each semester.

101. Engineering Drawing and Graphics **0-6-2 Hours**
Instruction in the proper care and use of drafting instruments, lettering, freehand sketching, orthographic projection, geometrics, dimensioning, section views, auxiliaries, working drawings, isometrics, tracing, and graphic solutions. Each semester.

102. Engineering Drawing **0-6-2 Hours**
Prerequisite: E.S. 101. A continuation of 101. Instruction in machine drafting, isometrics, detail and assembly drawings, shop drawings, notes and dimensioning, and graphics. Evening Division only. Each semester.

104. Blueprint Reading for the Building Trades **0-3-1 Hours**
Instruction in blueprint interpretation for trades and construction personnel. Small homes, construction projects, detail construction, materials lists, and industrial construction blueprints. Evening Division only.

119-120. Architectural Graphics **0-6-4 Hours**
An elementary course in architectural graphics and design composition. Instruction in the fundamentals of perspective, graphics, visualization, lines, planes, color, mood, texture, static and dynamic symmetry, details, and design of small objects. Designed for the prospective architect. Yearly.

141. General Cartography **1-3-2 Hours**
A study of the history and development of modern mapping. Instruction in map uses, symbols, form, color, texture, simple projections, and map reading. Designed to meet requirements of the geology major. Yearly.

142. Map Drafting **1-3-2 Hours**
Prerequisite: E.S. 101 or 141. Instruction in map construction, projections, reproduction, aerial photography, composition, contours, ownership maps, plotting and sketching, types of maps and uses. Yearly.

201-202. Advanced Engineering Drawing **0-6-4 Hours**
Prerequisite: E.S. 102 or 251. Instruction in machine drafting and graphics, shop drawings, industrial projection drawings and dimensioning, costs, shades, shadows, detail and assembly drawings of complicated machines and scientific devices. Evening Division only. Yearly.

251. Descriptive Geometry **2-3-3 Hours**
Prerequisite: E.S. 101. A study of lines, points, planes, three-dimensional problems, visualization, developments, intersections, shades, shadows, and graphic solutions. Spring semester yearly.

252. Plane Surveying **2-3-3 Hours**
Prerequisite: Mathematics 101 or 106. Instruction in the care and use of surveying equipment, theories of surveying, errors, measurement of distance and angles, survey computations and plotting, and land descriptions. Yearly.

253. Plane Table Surveying **1-3-2 Hours**
Prerequisite: E.S. 252. Instruction in the care and use of the plane table alidade, field mapping, baseline and triangulation mapping, plotting, and finishing of topographic field maps. Yearly.

301. Advanced Graphics **0-6-2 Hours**
Prerequisite: E.S. 251. A further study of graphic solutions beyond the scope of E.S. 251. Emphasis is placed on one of the following subjects selected by the student and his adviser: analysis of the more complex machine mechanisms; basic elements of production design; solutions of vector problems by graphic and mathematical techniques; graphic calculus; and nomography. Each semester.

310. Introduction to Corrosion and Control **3-0-3 Hours**
Prerequisite: Two courses in chemistry. Introduction to corrosion problems, electrochemistry of corrosion, mechanism of the electrolytic cell, prevention of corrosion cells, and practical application of specific corrosion problems. Evening Division only. Spring, 1971, and alternate years.

320. Materials of Industry **3-0-3 Hours**
A study of industrial materials, their composition, applications, processing, and uses. Yearly.

404. Strength of Materials **3-0-3 Hours**
Prerequisite: Physics 401, and Mathematics 402 or concurrent enrollment therein. A study of the internal stresses and strains of a body, when external compression, tension, and shear forces are applied. Offered on demand.

RELIGION

Professor Pomeroy, *Chairman*
Professor: Pledger
Assistant Professor: R. E. Taylor
Lecturers: Aamodt, Winn

The Department of Religion attempts to lead students in serious philosophical and religious consideration of the questions of man's origin, destiny, meaning and purpose. The basic assumption of the courses is that these questions are best dealt with in the Jewish-Christian history and writings.

Major Requirements

For the B. A. in religion 24 semester hours (eight courses) of religion, including Religion 201 and 202, are required. Philosophy 301 and 302 may count as religion for the major.

Pre-Theological Curriculum

Entrance requirements of seminaries and graduate schools of religion must be met with courses in addition to the requirements of the major and the distributive requirements. Therefore, students who plan such graduate or professional study should consult with a member of the

Department of Religion before enrolling for work beyond the first semester of the freshman year.

201. Old Testament Survey **3 Hours (One course)**
Each semester.

202. New Testament Survey **3 Hours (One Course)**
Each semester.

203. History and Doctrines of Methodism **3 Hours (One course)**
Study of the movement which affected the social and religious life of 18th century England and which influenced the cultural, religious, and political development of America. Primary sources are the works of John Wesley, and secondary sources are recent interpretative biographies and histories of Methodism. Offered Spring, 1972, and alternate years.

206. Life and Teachings of Jesus **3 Hours (One course)**
Thorough study of the Gospel accounts of the life of Jesus, with emphasis on the historical, political, and religious background, literary forms, and teachings. Spring, 1971, and alternate years.

301, 302. History of the Christian Church **6 Hours (Two courses)**
First half: survey of development of the Christian Church in thought and individual life from the first century to the Reformation. Careful study is made of the lives and writings of the leading figures of this period. Second half: study of the major branches of the Christian Church and trends of development since the Reformation. (Same as History 301, 302.)

303. Philosophy of Religion **3 Hours (One course)**
A study of the problems of religious language and truth, the Existence of God, and related religious concepts. Yearly. (Same as Philosophy 303.)

306. Prophets of Israel **3 Hours (One course)**
Study of the prophetic movement and its historical background in Israel from the time of Moses until its close with the book of Jonah. Spring, 1971, and alternate years.

307. Philosophy of Eastern Religions **3 Hours (One course)**
An historical study of the fundamental philosophical concepts of near and far eastern religions and ethical systems. Same as Philosophy 307. Fall, 1971, and alternate years.

309. Life and Letters of Paul **3 Hours (One course)**

315. Theology of the New Testament **3 Hours (One course)**
Study of major theological and practical religious questions of the New Testament.

317, 318. Renaissance and Reformation **6 Hours (Two courses)**
(Same as History 317, 318.)

402. Directed Study in Christian Thought **3 Hours (One course)**
Prerequisites: Religion 201 and 202, and consent of instructor. Study of classical religious writings from various periods of the Church's history. Selections from Augustine, Aquinas, Luther, Calvin, Wesley, Schleiermacher, Kierkegaard, Barth, Tillich, and others will be chosen. Spring, 1972, and alternate years.

405. Independent Study in Religion **1-6 Hours (One or two courses)**
Open to junior and senior students with the consent of the instructor and the chairman of the department. Minimum of one hour conference per week. Library and research work comprise the major portion of the study. A written thesis is required. Offered each semester or upon request.

I-99. Interim Studies **1-6 Hours (One or two courses)**
Various topics, some interdisciplinary, offered for study during the January Interim.

Christian Education

209. The Contemporary Church **3 Hours (One course)**
A study of the meaning, problems, and expressions of the Church in temporary culture.

310. Introduction to Christian Education **3 Hours (One course)**
Survey of the whole field of Christian education, with emphasis upon its historical and theological foundations.

412. Seminar in Christian Education **3 Hours (One course)**
Prerequisite: 310. Intensive study and/or projects in specific areas of Christian education.

SOCIOLOGY

Professor Pledger, *Chairman*
Visiting Professor: Watson
Lecturer: Falk

The courses in the Department of Sociology fall into three somewhat overlapping areas. These are courses intended to develop the general culture of the student; courses supporting other curricula for which knowledge of social institutions and behavior is essential; and courses needed to prepare the student for a specific profession.

The objective of the department is to help the student, whatever his prospective profession, to know himself as a responsible member of society. To do this, he must understand something of group behavior in the urban-industrial milieu of western civilization and be encouraged to recognize his relation to the total pattern as well as to the smaller groups comprising it.

Major Requirements

Candidates for the B. A. in sociology must take 30 semester hours (ten courses) in sociology, six of which (two courses) may be from courses 101, 102, and 103. Twelve semester hours (four courses) must be taken from courses numbered 300 and above.

101. Introductory Sociology **3 Hours (One course)**
An examination of cultural origins; factors in group behavior; bases of personality; and present trends in our own culture. Each semester.

102. Social Institutions **3 Hours (One course)**
Background, organization, changing character of the basic social institutions, with particular reference to western civilization. Each semester.

103. Introduction to Anthropology **3 Hours (One course)**
A study of ancient and modern man, race, culture, and society. Emphasis on the culutral approach. Yearly.

201. Contemoprary Social Problems **3 Hours (One course)**
Prerequisite: 101. An examination of the various contemporary social problems, causes, extent, cost, and possible solutions. Yearly.

202. Marriage and Family **3 Hours (One course)**
Prerequisite: 102 or three hours of psychology. Problems related to preparation for marriage; marital adjustments; organization and function of the family. Yearly.

203. Statistics **3 Hours (One course)**
(Same as Psychology 203.) Yearly.

301. Community Organization **3 Hours (One course)**
Prerequisite: Junior standing. Community organization as a process in social work, its characteristics and growth. Discussion of councils of social agencies, community chest, and similar agencies primarily carrying out this process. Analysis of statewide, national, and international agencies of organization for social welfare. Some attention given to the problems of research. Alternate years.

302. Introduction to Social Work **3 Hours (One course)**
Prerequisites: 101, 102. Underlying philosophy and basic principles of social casework, and a study of the various categories of welfare work. Alternate years.

303. Majority-Minority Relations **3 Hours (One course)**
Prerequisite: 101, or permission of instructor. Focus on the causes, purposes, and consequences of prejudices, discrimination, and segregation, especially as they are manifested in various institutional contexts. Problems of self-conception, adjustment patterns, social movements, community organization. Yearly.

305. Social Psychology **3 Hours (One course)**
(Same as Psychology 305.)

400. Southern Regionalism **3 Hours (One course)**
Prerequisite: Junior standing or above. A study of the population and cultural characteristics of the South, as related to the history and economy of the region; recent trends and prospective changes with reference to rural-urban developments in the region. Alternate years.

401. Criminology **3 Hours (One course)**
Prerequisite: 101, 102, or three hours of psychology. A study and analysis of the factors leading to crime; sociological evaluation of present methods of dealing with the criminal. Yearly.

402. Juvenile Delinquency **3 Hours (One course)**
Prerequisite: 102, or three hours of psychology. Social and emotional adjustment problems of youth between the ages of 12 and 21; and analysis of the factors leading to delinquency; sociological evaluation of present methods of dealing with the delinquent. Yearly.

403. Sociological Theory **3 Hours (One course)**
Prerequisite: 101. A critical study of the major writers from Comte to contemporary sociological theorists, examined in the perspective of various schools of sociological thought. Yearly.

410. Independent Study **1-6 Hours (One or two courses)**
Prerequisite: Permission of instructor and chairman of the department.

411-412. Honors **6 Hours (Two courses)**
See description under College Regulations.

414. Methods of Social Research **3 Hours (One course)**
Prerequisite: 20 semester hours of sociology and/or other social sciences. Methodology underlying the social sciences; methods by which valid research is carried on in the social sciences; the survey, the interview, use of questionnaire, case studies, and related devices. Yearly.

THEATRE / SPEECH

Associate Professor Buseick, *Chairman*
Associate Professor: Alexander
Instructor: Holloway

The Theatre/Speech Department offers a program to serve three types of students: those who plan to attend graduate school, those who plan

to teach, and those who plan to pursue a career in the profession or to use their training for avocational recreation.

The Theatre/Speech Department provides cultural enrichment for the College and the community through its production schedule, representing a "Theatre with a Purpose." Participation in the productions of the department is open to any student enrolled at Centenary College.

Major Requirements

Speech: For the B.A. in speech, the major must complete the following courses in the department: 101, 200, 201, 220, 300, 302, 309, 404, 409, and three courses elected from the following: 112, 203, 204, 205, 206, 211, 250, 305, 307, 308, 350, 401, 403, 405, 412. In addition the speech major must complete at least one year (two courses) in a foreign language.

Theatre: For the B. A. in theatre, the major must complete the following courses in the department: 101, 112, 201, 203, 205, 307, 308, 401, 404, and three courses elected from the following: 200, 204, 206, 211, 220, 250, 300, 302, 305, 309, 350, 403, 405, 409, 412. In addition, the theatre major must complete at least one year (two courses) in a foreign language.

Theatre/Speech Certification: For the B. A. degree in Theatre/Speech with teacher certification, the student must complete the teacher certification requirements (see Department of Education and Psychology in this Catalogue), and the following courses in the Theatre/Speech Department: 101, 112, 201, 203, 205, 211 or 220, 309, 401, and 404, and three more courses elected from the following: 200, 204, 206, 250, 300, 302, 305, 307, 308, 350, 403, 405, 409, 412. In addition, this major requires completion of one year (two courses) in a foreign language.

101. Fundamentals of Voice and Diction **3 Hours (One course)**
Study of the International Phonetic Alphabet, phonics, and voice improvement. Each semester.

105. Workshop Production **3 Hours (One course)**
A laboratory course in all phases of staging utilized in summer productions of the department. Offered summers only.

107. Workshop Acting **3 Hours (One course)**
An applied study of the art of acting, correlated with summer productions of the department. Offered summers only.

112. Analysis and Criticism **3 Hours (One course)**
An introductory study of form and technique of dramatic literature. Yearly.

114. Production and Performance **1-2 Hours (Cumulative half-course)**
A practical experience in relation to productions, both performance and technical, with an academic evaluation paper for each production per semester. May be elected twice (or once, together with another activity course) to accumulate a half-course credit. Offered each semester.

200. Public Speaking **3 Hours (One course)**
The development of oral communication skills employed in extemporaneous and impromptu speaking. Each semester.

201. Introduction to Interpretation **3 Hours (One course)**
Emphasis on voice development in relation to the study of esthetic and intellectual content of all types of literature. Yearly.

203. Movement **3 Hours (One course)**
A study of the body as one of the tools utilized in acting. An examination of pantomime, dance, and fencing. Fall, 1971, and alternate years.

204. Improvisation **3 Hours (One course)**
Prerequisite: 203. An intellectual approach to acting through the discovery of the *where, who,* and *what* used to develop creativity and spontaneity in the actor. Spring, 1972, and alternate years.

205. Introduction to Technical Theatre **3 Hours (One course)**
A course in applied arts in staging, lighting, and scenery. Yearly.

206. Scene Design **3 Hours (One course)**
Prerequisite: 205. Introduction to the principles of design for the theatre. Spring, 1971, and alternate years.

211. Debate and Argumentation **3 Hours (One course)**
Study of the principles and practices of debate and argumentation. Yearly.

220. Discussion Practices **3 Hours (One course)**
Study of the principles of participation in panels, round-tables, symposiums, and forums, with emphasis also upon leadership in these forms. Spring, 1971, and alternate years.

250. Historic Costume for the Stage **3 Hours (One course)**
A survey of dress, style, and design of personal scenic elements for theatrical production. Spring, 1972, and alternate years.

300. Advanced Public Speaking **3 Hours (One course)**
Prerequisite: 200. Concentrated study in more formal public address, with emphasis on rhetoric, logic, and audience psychology. Spring, 1972, and alternate years.

302. Advanced Literary Interpretation **3 Hours (One course)**
Prerequisite: 201. Techniques involved in platform reading, with program presentation of prose, poetry, and drama. Spring, 1972, and alternate years.

305. Stage Lighting and Sound **3 Hours (One course)**
Survey of light and sound for the communicative media. Fall, 1970, and alternate years.

307. History of the Theatre **3 Hours (One course)**
The development of the theatre from its beginning to 1800, including highlights of great dramatists and their works, and of production. Yearly.

308. History of the Theatre **3 Hours (One course)**
Prerequisite: 307. The development of the theatre from 1800 to the present, including highlights of great dramatists and their works, and of production. Yearly.

309. Language of Public Address **3 Hours (One course)**
Survey of the development and influence of oral language from Greek to the present. Fall, 1970, and alternate years.

311. Forensics **1 Hour (Cumulative half-course)**
Theory and practice of individual events and current debate topic as related to intercollegiate competition. May be repeated once (or offered in conjunction with another activity course) to accumulate a half-course credit.

350. Costume Design **3 Hours (One course)**
Prerequisite: 250. Emphasis on design principles and construction. Spring, 1971, and alternate years.

401. Directing **3 Hours (One course)**
Open only to senior speech or theatre majors. A study of the development of the director and his responsibilities in the theatre, together with a survey of production principles. One-act plays produced by members of the class. Yearly.

403. Seminars **1-3 Hours**
Prerequisite: Consent of instructor. Advanced courses arranged for the individual major's requirements. Each semester.

404. Independent Study **1-6 Hours (One or two courses)**
Prerequisite: Junior or senior standing and consent of instructor. Designed for flexibility, this course is offered to meet the need of the individual student. Examples of projects: writing of a thesis, mounting of a production, development of a course of study, playwriting, research and conference. Each semester.

405. Styles of Acting **3 Hours (One course)**
Prerequisite: 204. A survey of acting styles in Greek Classical, Restoration Comedy, Commedia dell'Arte, late Gothic, Elizabethan, Eighteenth Century, Nineteenth Century, Musical Comedy, and Theatre of the Absurd. Fall, 1970, and alternate years.

409. History of American and British Public Address **3 Hours (One course)**
A historical and critical analysis of American and British public address as social, religious, political, and intellectual influences. Spring, 1971, and alternate years.

412. Philosophies and Styles of Readers Theatre **3 Hours (One course)**
Study of the development and philosophies of all styles of Reader's Theatre, and of the adaptation and arrangement of literature for group presentation. Fall, 1971, and alternate years.

VII
SUPPLEMENTARY INFORMATION

EVENING DIVISION

Centenary's Evening Division is a part of the regular academic program of the College, with the same standards of admission and instruction, but with the special aim of providing a service in continuing education to the community. Courses in the evening are available to persons working toward a college degree, to those desiring to improve their competency in their present occupation or to prepare for new vocations, and to those seeking cultural and intellectual enrichment.

Regular full-time students of the College are normally not permitted to enroll in Evening Division courses unless their daytime schedules contain insoluble conflicts in courses required in their degree programs. This rule is to insure that most students have evening hours available for the necessary extra-curricular and social activities that should be integral to their total educational program.

Persons desiring admission to the courses offered in the Evening Division should consult the Office of Admissions, before the regular semesterly registration periods of the College. Registration is normally held on the same dates as the regular registration, but with the addition of convenient evening hours of registration. Persons who are not degree candidates may enroll either for credit or as auditors (the tuition fee is the same). An auditor is not required to submit written work nor sit for examinations, and no grades are reported to the Office of the Registrar for auditors. The tuition for Evening Division courses is the part-time fee recorded in Chapter IV of this Catalogue, $50.00 per semester hour. Apart from the one-time application fee of $10.00 for admission, no incidental fees are charged Evening Division students.

Students expecting to take courses for degree credit should, after being admitted to the College through the Admissions Office, schedule an interview with the Director of the Evening Division, Dr. W. F. Pledger, and the chairman of the department in which he intends to major.

VETERANS' EDUCATION

Veterans may take work in either the day session or the evening division at Centenary, since the College has been approved for veterans' training under Title 38, U. S. Code. Application for veterans' educational benefits should be made through the regional office of the Veterans Administration nearest to the home of the prospective student.

To qualify for maximum benefits the veteran must be enrolled as a full-time student, but partial benefits are available on a proportional basis for part-time students. The veteran's allowance is paid directly to the student by the Veterans Administration, and the student is responsible to the College for paying his accounts according to the rules governing all students.

Veterans who have not finished high school may occasionally be acceptable for admission to the College on the basis of General Educational Development tests available in most states. Information about these, and all other, requirements for admission can be obtained by inquiry at the Office of Admissions.

SUMMER SESSIONS

A variety of courses is offered to students during four- and nine-week sessions in the summer. For Centenary students, the work is creditable to all degree requirements, and carries grades and quality points equivalent to the regular sessions. For transient students who wish credit transferred to other institutions, application to the Office of Admissions is necessary, and requests for official statements of work completed and grades earned are made to the Office of the Registrar.

Tuition for the summer sessions is at the regular rate for part-time students, $50.00 per credit hour, or $150.00 per course. Board and lodging are available at rates quoted elsewhere in this Catalogue.

Information about summer session schedules can be obtained by writing to the Director of the Summer Session, Dr. W. F. Pledger.

Outstanding high school students who have completed their junior year in high school may apply to the Office of Admissions for permission to enroll in the summer session. Credit earned will be reported to the student's high school upon request, but may not be transferred to other collegiate institutions unless and until the student has matriculated at Centenary College.

ALUMNI ASSOCIATION

All students are inducted into the Alumni Association upon their graduation from Centenary. Other students, who do not graduate from Centenary, are eligible for membership therein. Membership in the Association now numbers more than 7,000. The Association publishes the *Centenary Alumni Magazine* to keep members in touch with developments at the College. A full-time Director of Alumni Relations has his office on the campus, where extensive records are maintained on all past classes and students. Reunions of particular classes are organized through this office at Homecoming time, and the membership is encouraged to remain closely involved with all aspects of the life of the College.

MICKLE HALL OF SCIENCE

THE LIBRARY

MOORE
TUDENT CENTER

DINING HALL

R. E. SMITH BUILDING

MARJORIE LYONS PLAYHOUSE

BROWN MEMORIAL CHAPEL

HURLEY MUSIC BUILDING

SEXTON DORMITORY

ROTARY HALL

JAMES DORMITORY FOR WOMEN

CLINE DORMITORY

HARDIN DORMITORY

VIII
REGISTERS

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Lamar Baker (Shreveport)
Rev. Dr. J. Henry Bowdon (Lake Charles)
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Howard Crumley (Shreveport)
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Mrs. E. E. Hurley (Shreveport)
Rev. Dr. H. L. Johns (Monroe)
Charlton H. Lyons, Sr. (Shreveport)
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J. Robert Welsh (Shreveport)

ADMINISTRATION 1970-71

John Horton Allen, Ph.D. — *President of the College*

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B.A., Capital University, 1952

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B.A., Northwestern State College, 1931; M.A., Louisiana State University, 1944

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Lawson B. Arrington — *Acting Assistant Comptroller*
B.A., Northwestern State College, 1935

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B.A., Centenary College, 1968

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B.A., Centenary College, 1928; M.A., Louisiana State University, 1930; Ph.D., Duke University, 1941. (1934)

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B.A., Centenary College, 1931; M.S.L.S., Louisiana State University, 1961. (1961)

EDMOND M. PARKER *Professor of Engineering Science*
B.S., Southeastern Oklahoma State College, 1946; M.S., East Texas State University, 1950. (1947)

WOODROW W. PATE *Professor of Economics and Business*
A.B., Henderson State College, 1936; M.A., Louisiana State University, 1938; Ph.D., University of North Carolina, 1949. (1949)

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B.A., 1935, M.A., 1936, Southwestern University; B.D., Duke University, 1937; Ph.D., Hartford Seminary Foundation, 1944. (1953)

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NOTES

ACADEMIC CALENDAR 1970-71

FALL SEMESTER 1970			
Pre-Registration Faculty Conference		Friday	August 28
Dormitories Open for New Students	1:00 PM	Friday	August 28
New Student Orientation		Saturday to Tuesday	August 29 September 1
Registration of Freshmen and Transfers	1:00-4:00 PM	Monday	August 31
Registration of Upperclassmen	8:30-12:00 M and 1:30-4:00 PM	Tuesday	September 1
Classwork Begins	7:50 AM	Wednesday	September 2
Last Day for Enrolling or Changing Sections		Friday	September 11
Deadline for Dropping Courses without Academic Penalty		Friday	October 9
Mid-Semester Grade Reports Due	12:00 M	Saturday	October 31
Thanksgiving Recess Begins	12:00 M	Wednesday	November 25
Classwork Resumes	7:50 AM	Monday	November 30
Classwork Ends		Friday	December 11
Semester Examinations		Monday to Friday	December 14 December 18
Christmas Recess Begins	5:00 PM	Friday	December 18
INTERIM 1971			
Christmas Recess Ends	7:50 AM	Monday	January 4
Interim Session		Monday to Friday	January 4 January 22
SPRING SEMESTER 1971			
Registration	8:30-12:00 M and 1:00-4:00 PM	Monday Monday	January 25 January 25
Classwork Begins	7:50 AM	Tuesday	January 26
Last Day for Enrolling or Changing Sections		Friday	February 5
Deadline for Dropping Courses without Academic Penalty		Friday	March 5
Mid-Semester Grade Reports Due	12:00 M	Saturday	March 20
Founders' Day		Thursday	April 1
Spring Recess Begins	5:00 PM	Friday	April 2
Classwork Resumes	7:50 AM	Tuesday	April 13
Classwork Ends		Friday	May 14
Semester Examinations		Monday to Friday	May 17 May 21
Baccalaureate	2:30 PM	Sunday	May 23
Commencement	8:00 PM	Sunday	May 23
SUMMER SESSION 1971			
Registration	9:00 AM	Monday	June 7
Classwork Begins	7:00 AM	Tuesday	June 8
Mid-Semester		Friday	July 9
Final Examinations		Thursday and Friday	August 5 August 6

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CORRESPONDENCE DIRECTORY

For Information on:	Write to:
General Interest of the College	The President
Academic Standing and Regulations	Dean of the College
Admission to the College	Director of Admissions
Alumni Activities and Records	Director of Alumni Relations
Gifts or Bequests and Public Relations	Director of Development
Scholarships, Grants-in-Aid, Student Loans	Director of Financial Aid
Transcripts and Academic Records	Registrar
Tuition and Fees	Comptroller

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